New York State
Parks, Recreation and
Historic Preservation

Agency 1290000

PROJECT MANUAL

TA-JJ-2023-001
JOHN JAY HOMESTEAD: SITE AND BUILDING ENHANCEMENTS
JOHN JAY HOMESTEAD STATE HISTORIC SITE

BID PROPOSALS FOR THE FOLLOWING CONTRACT(S):
D006292 GENERAL CONTRACT
VOLUME 3 of 6

Are Due via email at:
12:30 PM
on
October 8, 2024

Bid proposals will be opened exclusively via Webex at:
1:00 PM
on
October 8, 2024

Webex Link at attend:
https://meetny.webex.com/meetny/j.php?MTID=m40b9689c6ed92a60ec352816a046e233

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Technical Specifications Volume 3 of 3

for

JOHN JAY HOMESTEAD
SITE AND BUILDLING ENHANCEMENTS

John Jay Homestead
400 Jay Street
Katonah, New York

Prepared for:

New York State Office of Parks, Recreation and Historic Preservation
Taconic Region

by:

Beyer Blinder Belle Architects & Planners LLP
New York, NY

100% CD SUBMISSION

5 June 2024

CLIENT

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New York, NY 10018

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ABBREVIATIONS

Parks	New York State Office of Parks, Recreation and Historic Preservation	Division 1
BBB	Beyer Blinder Belle, Architects & Planners, LLP	Architect
TT	Thornton Tomasetti	Structure Engineering
LFG	Landmark Facilities Group	MEP / IT / FP Engineering
CHA	CHA Consulting, Inc.	Civil Engineering
RHI	Rhodeside Harwell Landscape Architecture	Landscape Architect
HLB	HLB Lighting	Lighting Engineering
LVCK	LVCK – A Beyer Blinder Belle Studio	Signage
Matrix	Matrix New World Engineering	Hazardous Materials

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APPENDIX 1

Bedford House Doors Photosurvey – 5 June 2024

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101

FRONT DOOR

101 Front door Porch view.jpeg

101 Inside Hardware.jpeg

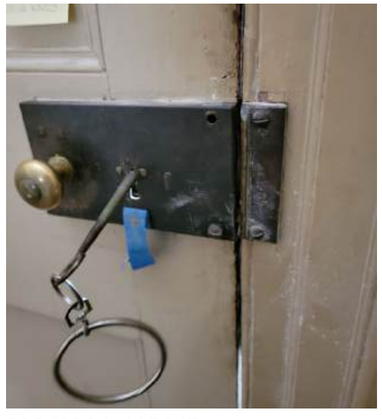
20240304_120718.jpg

101 Front door interior view.jpeg

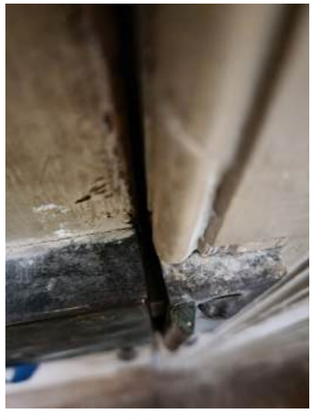
101 (5).jpeg

101 (1).jpeg

101 (2).jpeg



20240304_115647.jpg

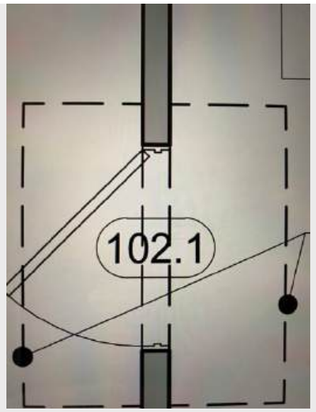


20240304_115733.jpg

101 (3).jpeg

101 (4).jpeg

102.1
SOUTH PARLOR

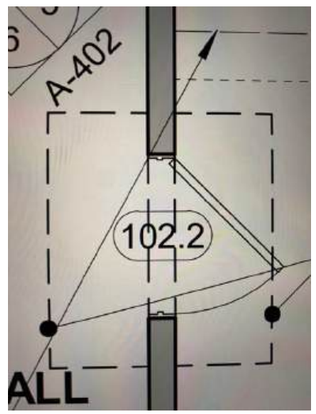


102.1 Hall to S Parlor.JPEG


102.1 (2).JPEG


102.1 (1).JPEG

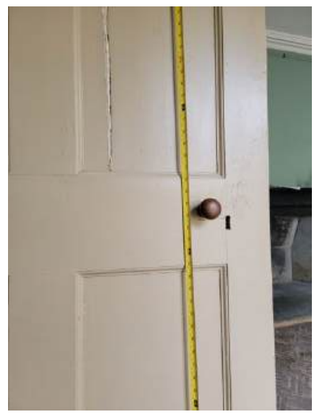
102.2
SOUTH PARLOR



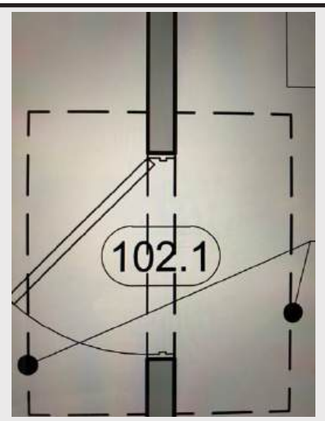
102.2 Hall107 to S Parlor.JPEG


102.2 (1).JPEG


102.2 (2).JPEG


20240304_132545.jpg

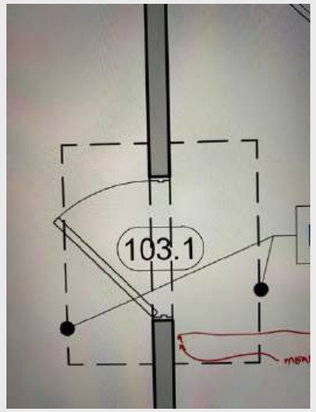
102.3
SALVAGE DOOR
N/S PARLOR



102.3 N Parlor to S Parlor - Copy for new door.JPEG

103.1

NORTH PARLOR



103.1 Hall to N parlor.JPEG


103.1 Room side (2).JPEG


103.1 Hall side.JPEG

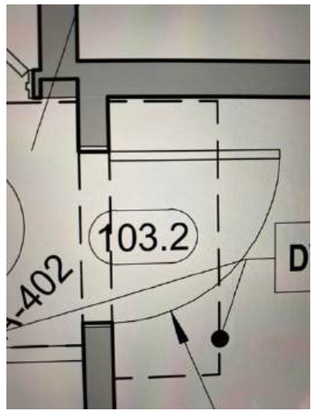

103.1 Jamb side.JPEG


20240304_121444.jpg

103.2

NEW NORTH PARLOR FLUSH DOOR

EXISTING TO BE SALVAGED, RESTORED, AND REUSED



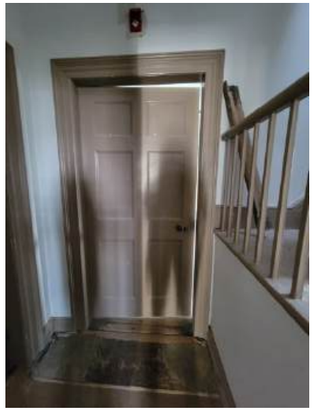
103.2 Plan.JPEG

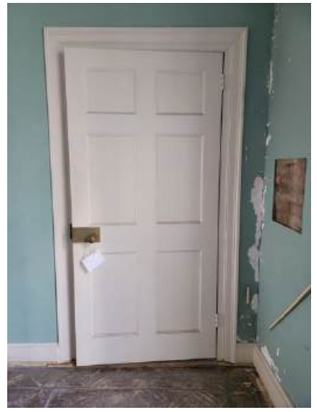

103.2 (1).JPEG


103.2 (2).JPEG


103.2 (3).JPEG


103.2 Room side.JPEG

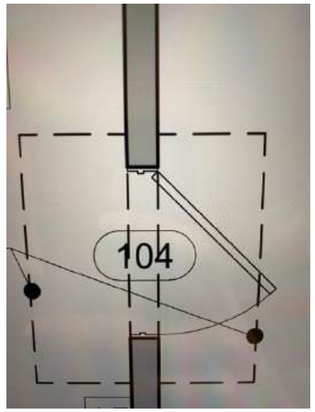

20240313_111057.jpg


20240313_111028.jpg


103.2 Hall side.JPEG

104

DINING ROOM



104 Plan Hall to Din Rm.JPEG


104 room side.JPEG


104 jamb room side.JPEG


104 Hall side.JPEG

104A

CLOSET IN DINING ROOM


20240304_143057.jpg


20240304_143110.jpg

105.1

BACK DOOR

105.1 (10).JPEG


105.1 Ext Door Hall101 Out side view.png


105.1 Ext Door inside view.jpeg


105.1 (2).jpeg


105.1 (3).jpeg


105.1 (11).JPEG


105.1 (4).jpeg


105.1 (1).jpeg

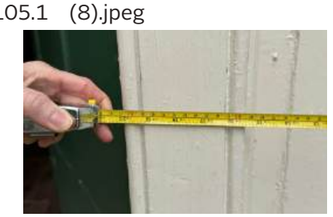

20240304_115512.jpg


20240304_113927.jpg


105.1 (5).jpeg

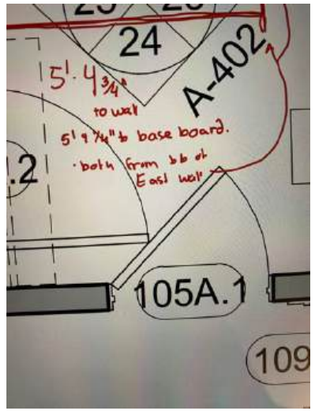

105.1 (6).jpeg


105.1 (8).jpeg


105.1 (7).jpeg


105.1 (9).jpeg

105A.1
DR ALCOVE



105A.1 Din Rm alcove door.JPEG

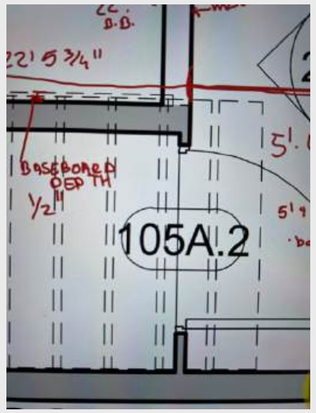

105A.1 Hall side.JPEG


105A.1.JPEG


105A.1 DR room side.JPEG


105A.2 (4).JPEG

105A.2
CLOSET UNDER STAIR



105A.2 Plan.JPEG

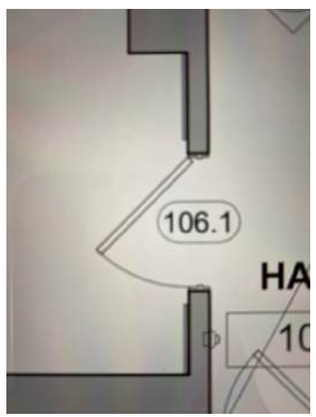

105A.2 (3).JPEG


105A.2 (5).JPEG


105A.2 (1).JPEG


105A.2 (2).JPEG

106.1
OFFICE SOUTH

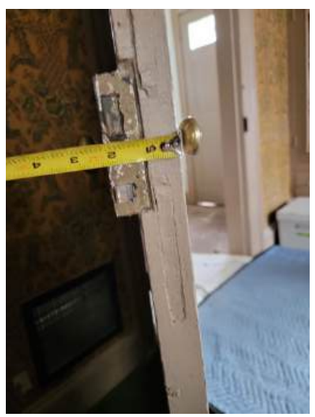


106.1 Hall to office plan.JPEG


106.1 (3).JPEG


106.1 (1).JPEG


106.1 (2).JPEG


20240304_125108.jpg

106

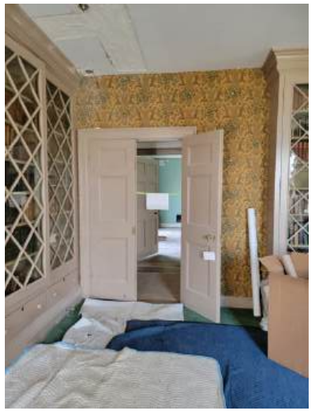
OFFICE MILLWORK


20240313_130229.jpg


20240313_130237.jpg


20240313_130309.jpg


20240313_130325.jpg


20240313_130424.jpg


20240313_130434.jpg

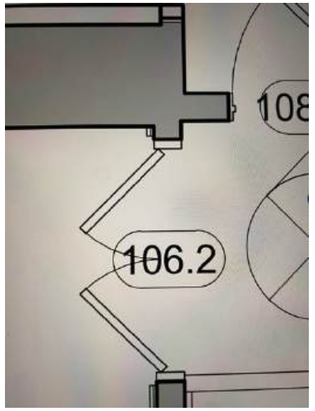

20240313_130512.jpg


20240313_130519.jpg


20240313_130542.jpg


20240313_130654.jpg

106.2
OFFICE NORTH



106.2 Hall to office Double Dr.JPEG


106.2 (1).JPEG

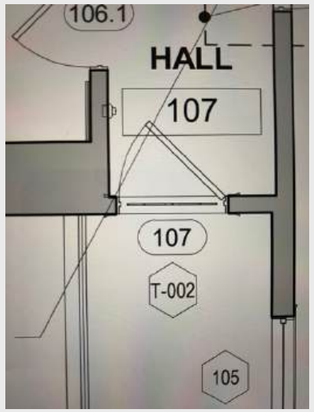

106.2 (2).JPEG


106.2 (3).JPEG


106.2 (4).JPEG


106.2 (5).JPEG

107
HALL 107 TO PORCH



107 Ext Dr Hall 107 plan.JPEG


107 (2).JPEG


107 (1).jpeg


107 (3).JPEG


107 (4).JPEG

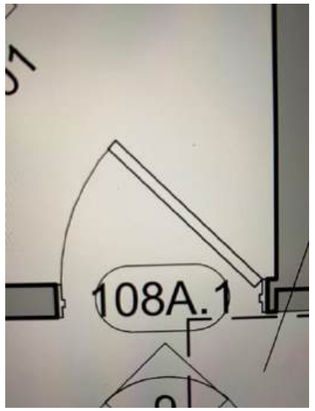

107 (5).jpeg


20240304_131236.jpg


20240304_145915.jpg

108A.1

TO CORRIDOR 108



108.1 Hall 107 to new RR.JPEG

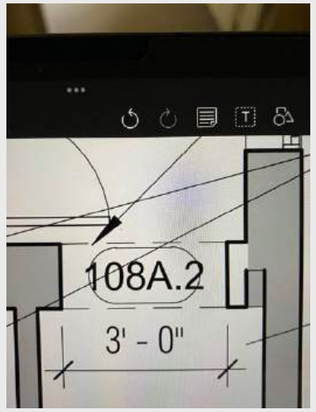
108.1 (3).JPEG

108.1 (1).JPEG

108.1 (2).JPEG

108A.2

TO RESTROOM



108A.2 Demo add casing (3).JPEG

108A.2 Demo add casing (1).JPEG

108A.2 Demo add casing (2).JPEG

20240313_112948.jpg

20240313_112953.jpg

108A.2 Remove.JPEG

109.1

CHINA TO EXTERIOR

109.1 Ext Dr fixed shut China rm. jpeg

109.1 (1).jpeg

109.1 (2).jpeg

109.1 (3).jpeg

109.1 (4).jpeg

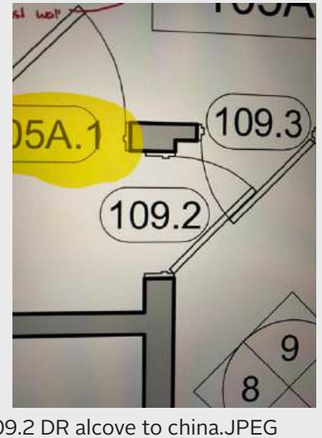
109.1 (5).jpeg

109.1 (6).jpeg

109.1 (7).jpeg

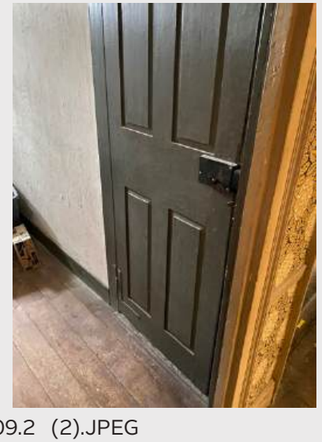
109.2

DINING ROOM TO CHINA



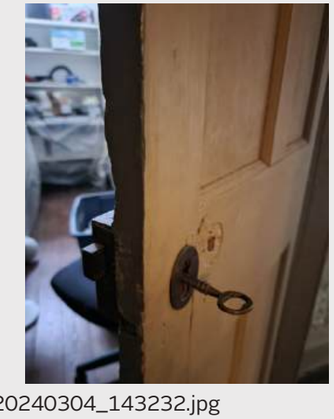
109.2 DR alcove to china.JPEG

109.2 (1).JPEG CHINA SIDE



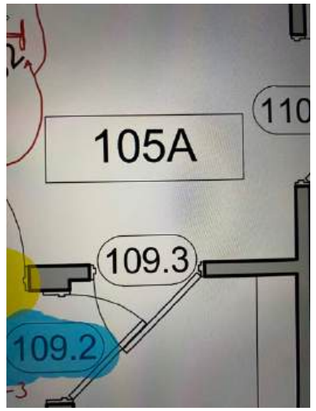
109.2 (2).JPEG

109.2 (4).JPEG DR SIDE



20240304_143232.jpg

109.3
TO CHINA



109.3 Svc hall to china plan.JPEG

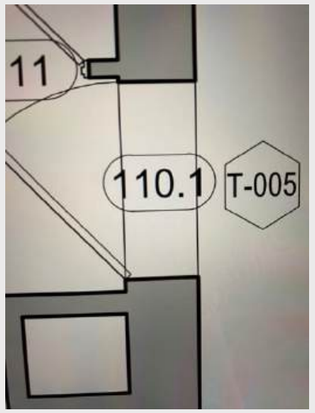

109.3 (1).JPEG


109.3 (2).JPEG

109.3 (3).JPEG


109.3 (4).JPEG

110.1
EAST PARLOR EXTERIOR



110.1 Ext Dr from E Parlor.JPEG


110.1 (6).JPEG


110.1 (4).jpeg


110.1 (2).jpeg


110.1 (3).jpeg


110.1 (5).JPEG


110.1 (1).JPEG

110.2

EAST PARLOR

110.2 Plan to E Parlor fr svc hall.JPEG


110.2 Hall side.JPEG


110.2 Room side.JPEG

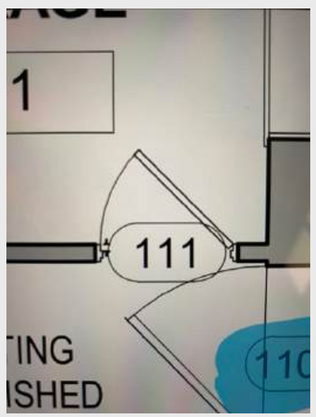

110.2 (2).JPEG


20240304_145143.jpg

110.2 (1).JPEG

111

STORAGE



111 to stg plan.JPEG

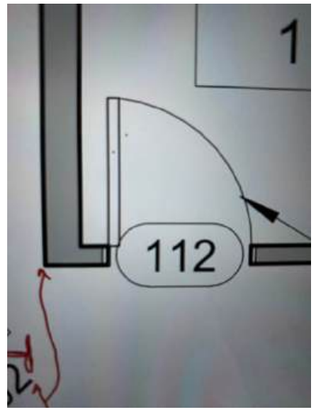

111 (3).JPEG


111 (4).JPEG


111 (1).JPEG


111 (2).JPEG

112
CONCEALED MECHANICAL ROOM



112 Mech Rm plan new frameless.JPEG


112 (1).JPEG


112 (2).JPEG


112 (3).JPEG

114
EXTERIOR MANS ROOM


114 Interior door Mans Room (Ext not captured).jpeg


114 (1).jpeg

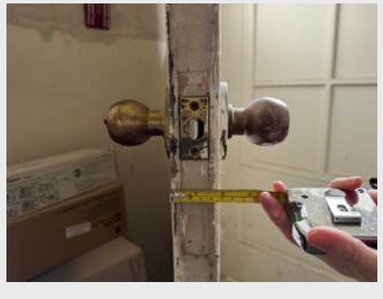

114 (2).jpeg


114 (3).jpeg


114 (4).jpeg


114 (5).jpeg


114 (6).jpeg


114 (7).jpeg


114 (8).jpeg

116.1

INNER VEST DOOR


116.1 Vest door Room side.jpeg


116.1 Vest dr Vest side.jpeg


116.1 (4).JPEG


116.1 (1).jpeg

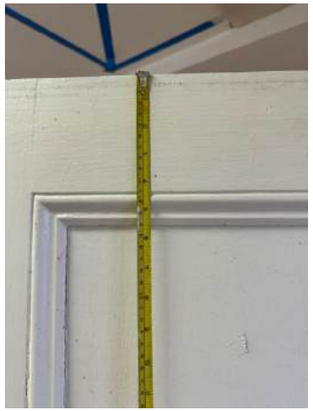

116.1 (2).jpeg


116.1 (3).JPEG


116.1 (5).JPEG


116.1 (6).jpeg

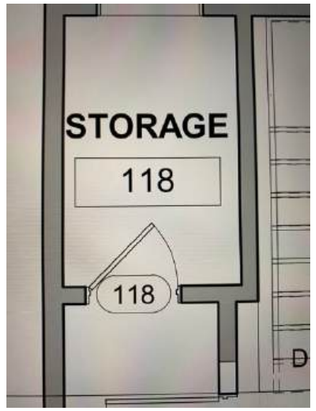

116.1 (7).jpeg


116.1 (8).jpeg


116.1 (9).jpeg

118

STORAGE OED BATH



118 Plan stg.JPEG

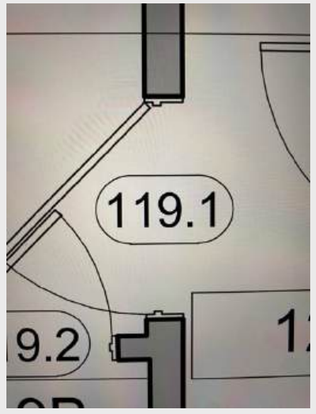

118 (1).JPEG


118 (2).JPEG


118 (3).JPEG

119.1

DOSCENT



119.1 Docent Rm Plan.JPEG

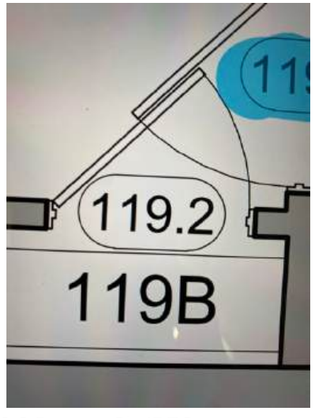

119.1 (4).JPEG


119.1 (1).JPEG


119.1 (2).JPEG


119.1 (3).JPEG

119.2



119.2 Docent Cl..JPEG


119.2 (2).JPEG

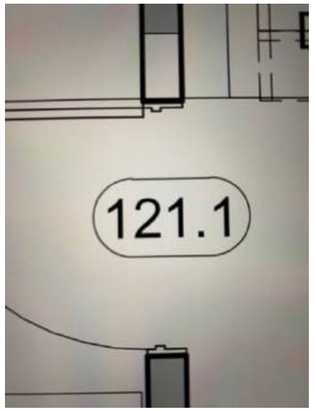

119.2 (1).JPEG


119.2 (4).JPEG


119.2 (3).JPEG

121.1

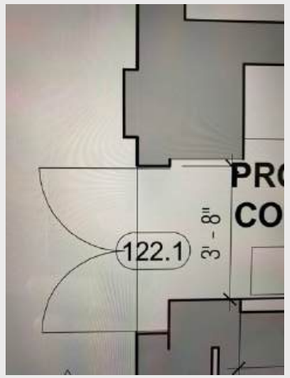
90 MINUTE RATED STAIR



121.1 to be new door to match extg. JPEG

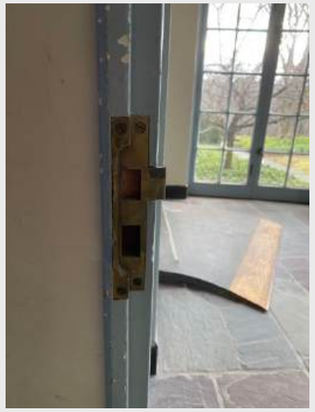
121.1.JPEG

122.1



122.1 Plan Pair Conservatory to Corr108.JPEG

122.1 (6).JPEG



122.1 (4).JPEG

122.1 (2).JPEG

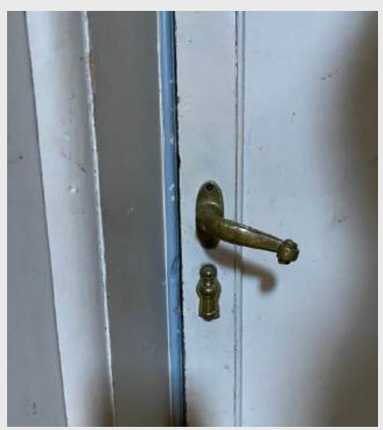
122.1 (5).JPEG

122.1R

122.1 Remove this inner door.JPEG

122.1R (1).JPEG

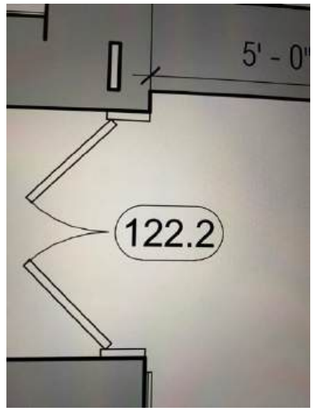
122.1R (2).JPEG



122.1 (3).JPEG

122.1 (1).JPEG

122.2
OFF CONSERVATORY



122.2 Plan Conserv to Office.JPEG


122.2 Conservatory side.JPEG


122.2 Office side.JPEG


122.2 (1).JPEG

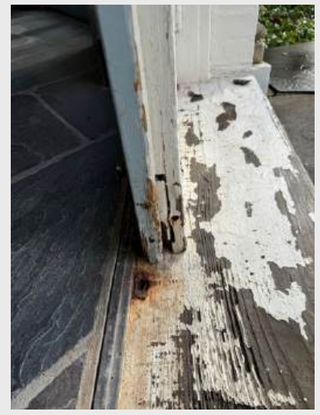

122.2 (2).JPEG

122.4
CONSERVATORY EXTERIOR


122.4 Ext Dr Conserv to site.jpeg


122.4 Int view.jpeg

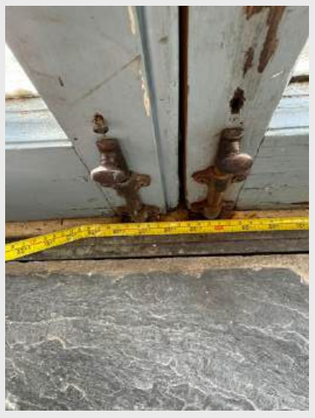

122.4 (5).jpeg


122.4 (1).jpeg


122.4 (10).jpeg


122.4 (8).jpeg


122.4 (9).jpeg


122.4 (4).jpeg

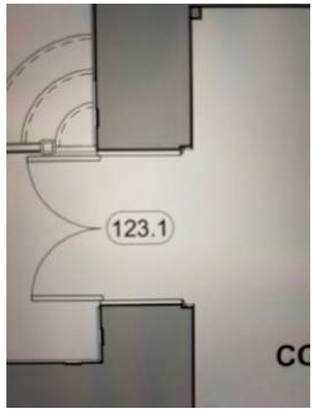

122.4 (2).jpeg


122.4 (6).jpeg


122.4 (3).jpeg


122.4 (7).jpeg

123.1



123.1 Pair to Ball rm..JPEG


123.1 (1).JPEG

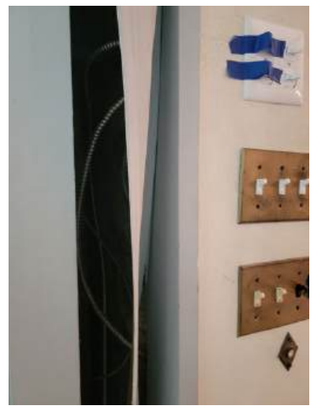

123.1 (6).JPEG


123.1 (2).JPEG


123.1 (4).JPEG


123.1 (3).JPEG

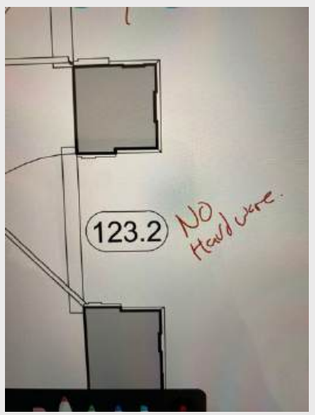

123.1 (5).JPEG


20240313_122737.jpg


20240313_122749.jpg


20240313_122757.jpg

123.2

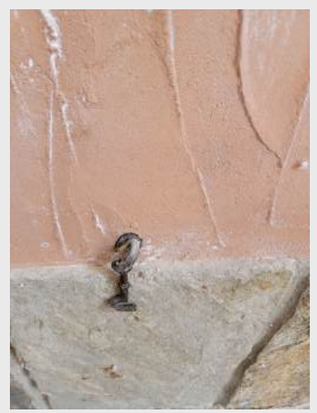


123.2 Ball rm to porch no hardware..JPEG

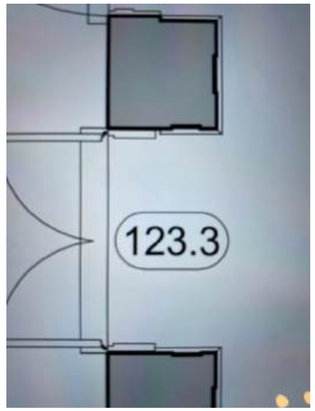

123.2 (1).JPEG


123.2 (2).JPEG


123.2 (3).JPEG


20240313_121042.jpg

123.3



123.3 Pair Ball to Porch.JPEG


123.3 (3).JPEG


123.3 (5).JPEG

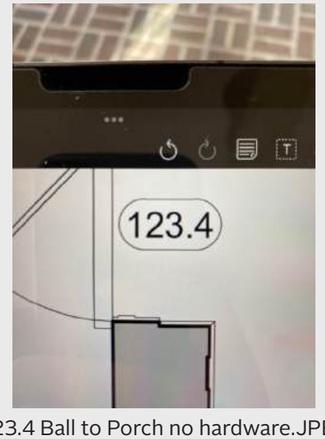

123.3 (2).JPEG


123.3 (4).JPEG


123.3 (6).JPEG


123.3 (1).JPEG

123.4



123.4 Ball to Porch no hardware.JPEG

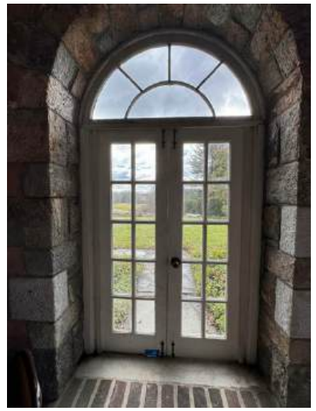

123.4 (3).JPEG


123.4 (1).JPEG


123.4 (2).JPEG

124


124 (2).jpeg


124 (14).jpeg


124 (1).jpeg


124 (12).jpeg


124 (15).jpeg


124 (10).jpeg


124 (11).jpeg


124 (13).jpeg


124 (3).jpeg


124 (4).jpeg


124 (5).jpeg

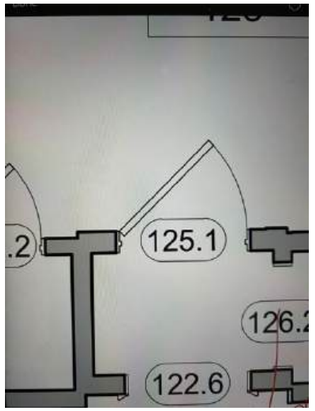

124 (6).jpeg


124 (7).jpeg


124 (8).jpeg


124 (9).jpeg

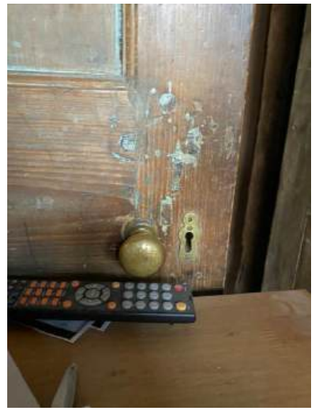
125.1
STUDIO

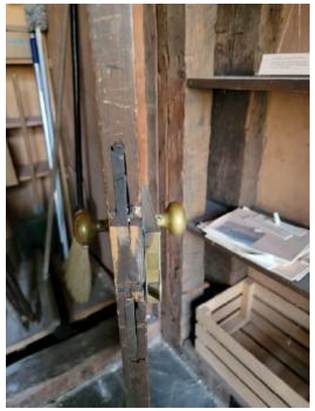


125.1 Door to Studio.JPEG

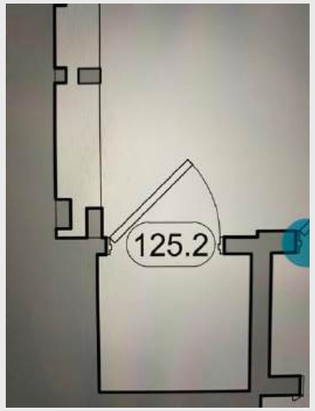

125.1 (3).JPEG


125.1 (2).JPEG


125.1 (1).JPEG


20240313_115225.jpg

125.2
STUDIO CLOSET



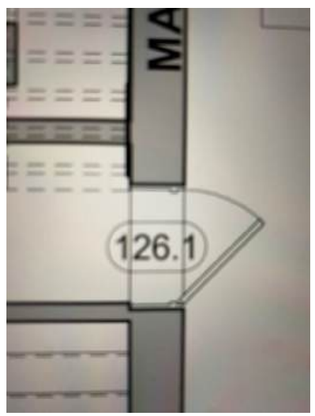
125.2 Studio Closet plan.JPEG


125.2 (1).JPEG

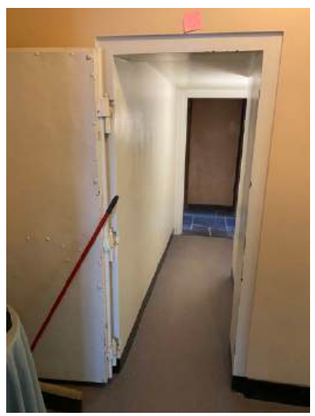

125.2 (2).JPEG


125.2 (3).JPEG

126.1
DR TO STUDIO



126.1 (2).JPEG


126.1 (1).JPEG

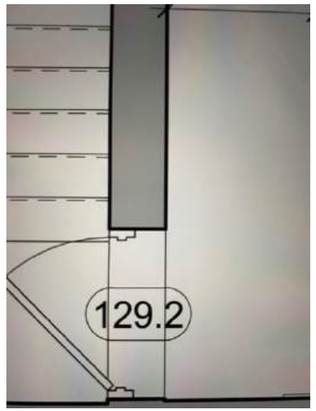

126.1 (3).JPEG

129.1

20240313_113704.jpg

129.2

DOWN TO BASEMENT



129.2 (2).JPEG

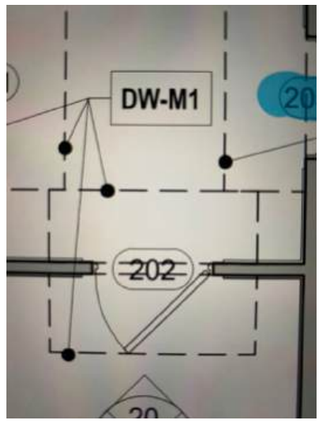
129.2 (3).JPEG

129.2 (4).JPEG

129.2 (1).JPEG

END FLOOR 1

202



202 Plan Dressing.JPEG

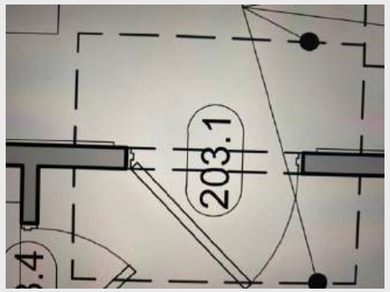

202 Hall side.JPEG


202(1).JPEG


202(2).JPEG


202 Roomside.JPEG

203.1



203.1 Plan Bed rm.JPEG


203.1 Hall side.JPEG


203.1 Room side.JPEG

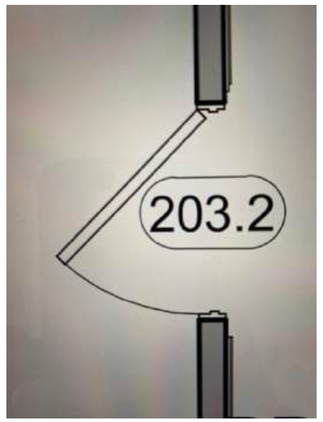

203.1 (1).JPEG


203.1 (2).JPEG


203.1 (3).JPEG


203.1 (4).JPEG

203.2



203.2 Plan Br2 to Dressing.JPEG


203.2 Room side.JPEG


203.2 Between rooms.JPEG


203.2 Roomside.JPEG


203.2 (1).JPEG


203.2 (3).JPEG


203.2 (2).JPEG

203.3

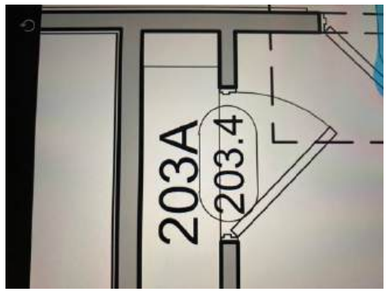
203.3 Plan Br2 to Stair.JPEG


203.3 (1).JPEG


203.3 Hall side.JPEG


203.3 (2).JPEG

203.4



203.4 Plan Closet.JPEG

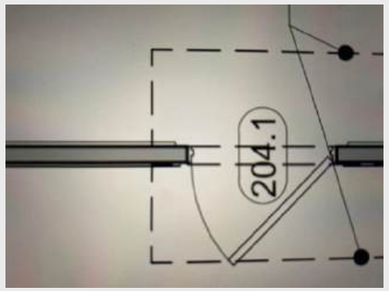
203.4 Room side.JPEG

203.4 Closet side.JPEG

203.4 (1).JPEG

203.4 (2).JPEG

204.1



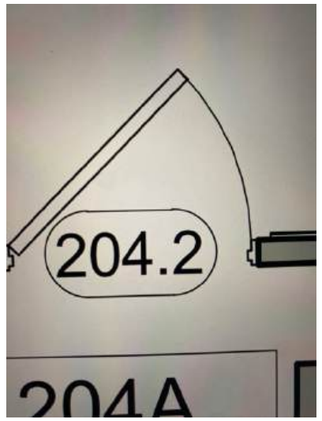
204.1 Plan Rear hall to Br3.JPEG

204.1 Hall side.JPEG

204.1 Room side.JPEG

204.1 (1).JPEG

204.2



204.2 Plan Br3 to stair.JPEG


204.2 Hall side.JPEG


204.1 (2).JPEG


204.2 (2).JPEG

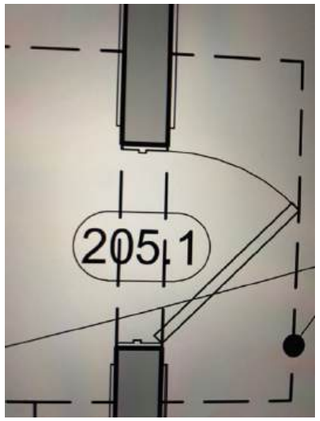

204.2 Frame.JPEG


204.2 (1).JPEG


204.2 Hinge.JPEG


204.2 Room side.JPEG

205.1



205.1 Plan JJ Br.JPEG


205.1 Hall side.JPEG


205.1 Room side.JPEG


205.1 (2).JPEG


205.1 (1).JPEG

205.2

205.2 Plan JJ Br.JPEG


205.2 Hall side.JPEG


205.2 Room side.JPEG


206.2 Room side.JPEG

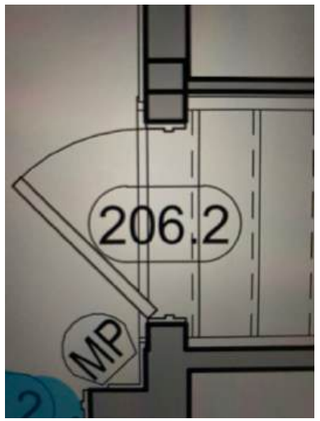

205.2 (1).JPEG


205.2 (2).JPEG

206.1

FIILENAME FIILENAME FIILENAME FIILENAME FIILENAME

206.2



206.2 Plan Rear Hall to Mech.JPEG

206.2 Hall side.JPEG

206.2.JPEG

207.1

207.2

FIILENAME

207.2 Plan Closet.JPEG

FIILENAME

207.2 (2).JPEG

FIILENAME

207.2 (3).JPEG

FIILENAME

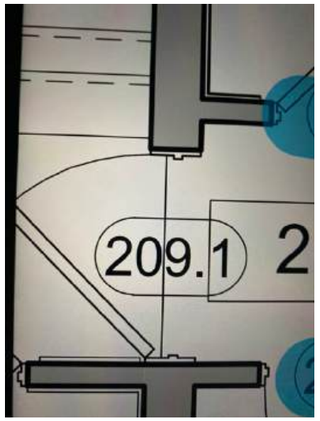
207.2 (1).JPEG

207.2 Room side.JPEG

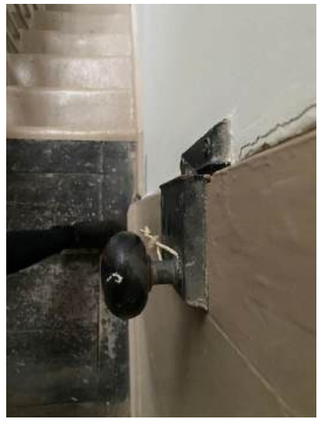
FIILENAME

207.2 Cl side.JPEG

209.1



209.1 Plan Br to stair 209.JPEG

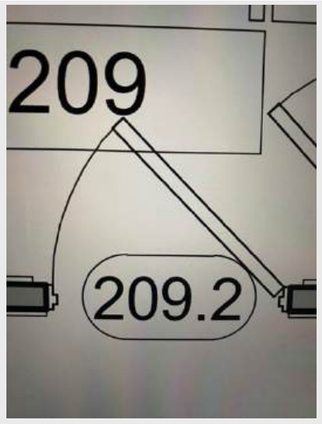

209.1 Stair hall side.JPEG


209.1 Room side.JPEG


209.1 (1).JPEG

209.1 (2).JPEG

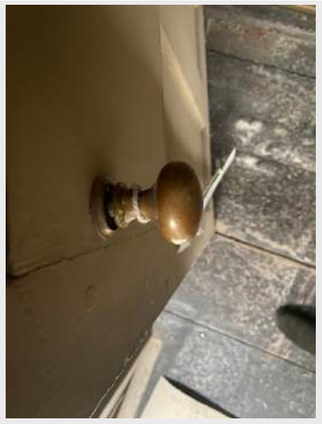
209.2



209.2 Plan Mech.JPEG

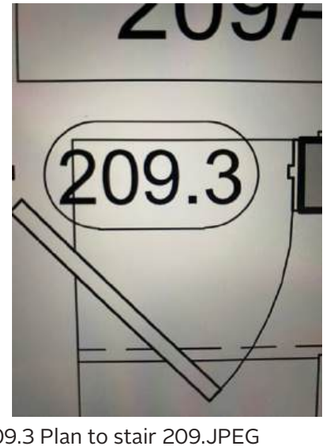

209.2 (2).JPEG


209.2 Stair hall side.JPEG

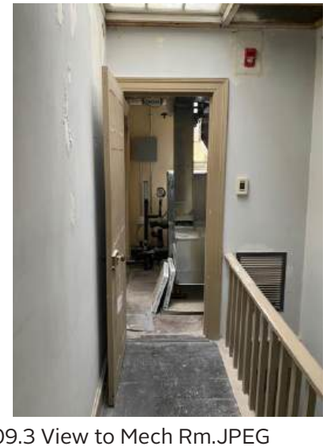

209.2 Room side.JPEG


209.2 (1).JPEG

209.3



209.3 Plan to stair 209.JPEG


209.3 View to Mech Rm.JPEG

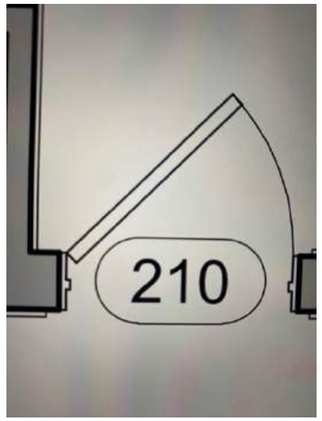

209.3 Hall side.JPEG


209.3 (1).JPEG


209.3 Mech rm side.JPEG


209.3 (2).JPEG

210



210 Plan stg.JPEG

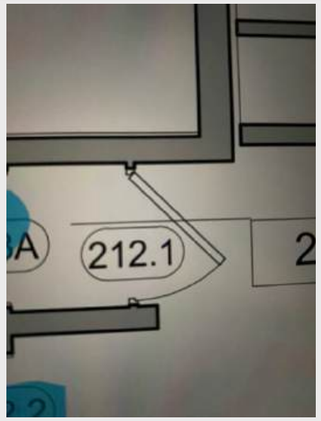

210 Hall side.JPEG


210 Room side.JPEG

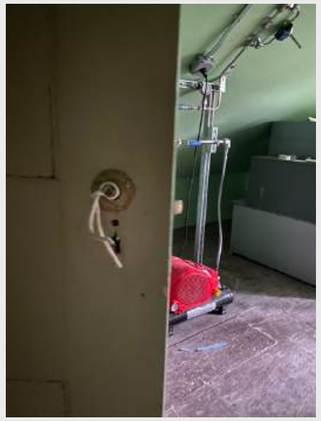

210 (1).JPEG


210 (2).JPEG

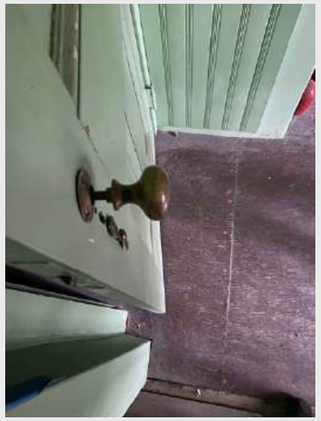
212.1



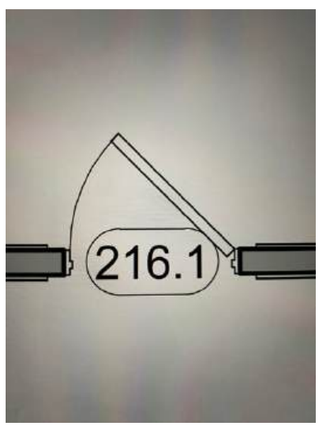
212.1 Plan closet.JPEG


212.1 Cl side.JPEG


212.1 Room side.JPEG


212.1.JPEG

216.1



216.1 Plan Door btwn Nurserys.JPEG

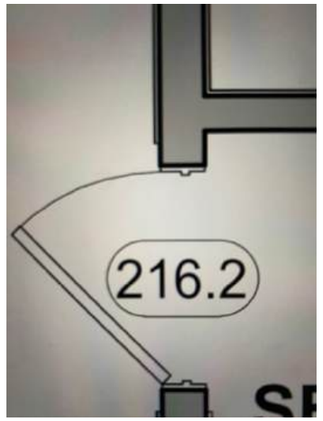

216.1 (2).JPEG


216.1 Nursery 2 side.JPEG


216.1 (1).JPEG


216.2 (1).JPEG

216.2

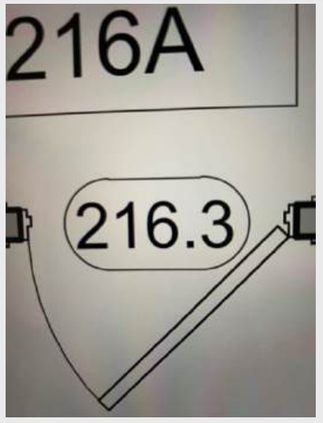


216.2 Svc stair to Nurs 2.JPEG


216.2 View of Hallside door.JPEG


216.2 (2).JPEG

216.3



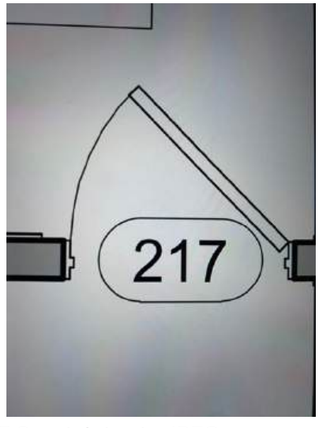
216.3 Plan.JPEG


216.3 Hall side door.JPEG


216.3 (2).JPEG


216.3 (1).JPEG

217



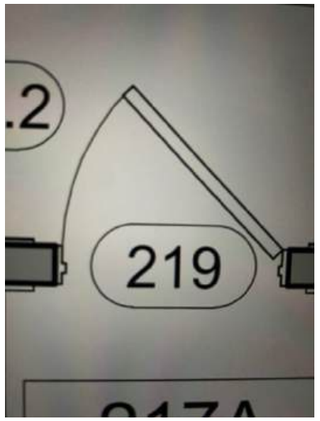
217 Svc stair to stg.JPEG


217 (2).JPEG


217 (1).JPEG


217 (3).JPEG

219



219 Plan to hall 219.JPEG


219 Hall side.JPEG


219 (1).JPEG


219 (2).JPEG

220

220 Plan to stg.JPEG


220 (3).JPEG

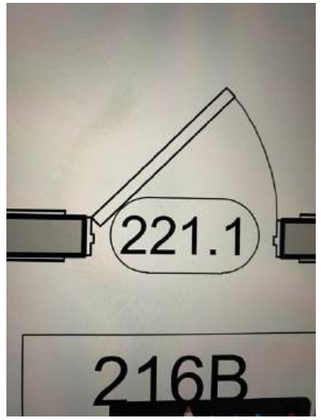

220 (1).JPEG


220 Room side.JPEG


220 Hall side.JPEG


220 (2).JPEG

221.1



221.1 Plan Nurs to Stg.JPEG


221.1 Nurs side.JPEG


221.2 (1).JPEG


221.2 (2).JPEG


221.1 Stg side.JPEG

221.2

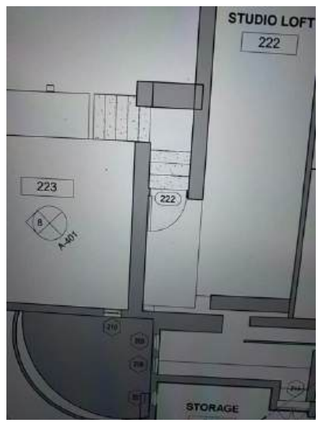
221.2 Plan hall to stg.JPEG


221.2 Hall side door.JPEG


221.2 Room side door.JPEG


221.1.JPEG

222



222 Plan to Studio Loft.JPEG


222 Stl door to loft Mech.JPEG

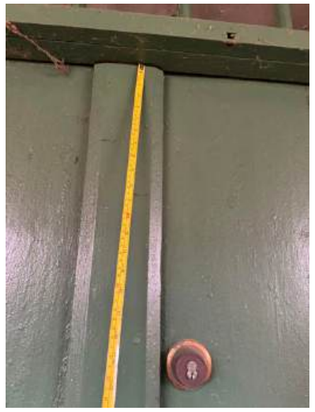

222 room side.JPEG


222 Stair side.JPEG

END FLOOR 2

B-1.1

B-1.1 (2).jpeg



B-1.1 Cylindar.jpeg

B-1.1 Ext Dr Interior view.jpeg

B-1.1 Ext Dr Outer under porch.jpeg

B-1.1.jpeg

B-7

B-7 (8).jpeg

B-7 (1) Ext Dr Outside Discovery Kitch 2.jpeg

B-7 (1).jpeg

B-7 (2).jpeg

B-7 (4).jpeg

END BASEMENT

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APPENDIX 2

Bedford House Finishes –Submittal Sheets Form 107HP

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CPT-1

New York State
Parks, Recreation and
Historic Preservation

SUBMITTAL SHEET—FORM 107HP

THIS FORM SHALL BE COMPLETED ABD ATTACHED TO EACH SUBMISSION OR MATERIAL SAMPLE AND/OR PRODUCT.

Date of SUBMITTAL: November 14, 2023 **Contract No:** D005867

SUBMITTED BY: Emily Grand - FoJJH

Submittal Description/ Content or Item *(Attach photos & additional information including manufacture's installation specifications)*
Carpet for Double Parlor

JOHN JAY HOMESTEAD
BEDFORD HOUSE—ARCHITECTURAL FINISHES

ROOM #: 102 & 103 (S) 102 & (W) 103

ROOM NAME: PARLOR

ROOM DIMENSIONS: 20'x38'

WALL AREA (SQ FT):

FLOOR AREA (SQ FT):

MATERIAL TYPE:

☐ *WALLCOVERING* ☒ *CARPET/ RUNNER* ☐ *FLOORCLOTH*

MANUFACTURE: Gaskell Mackay

PATTERN NAME: UK Wilton Medallion

MATERIAL REQUIRED: (ROLLS, SQ FT) see notes

ESTIMATED ORDER DATE: November 28, 2023

ESTIMATED DELIVERY DATE: 16-20 weeks

COLORWAY:

NOTES: 10 sheets at 39'
+ 9 Pattern Matches

REVIEWED BY: (SIGN & DATE)

HEATHER IANNUCCI, SITE DIRECTOR

AMANDA MASSIE, SENIOR CURATOR

ERIN MORONEY, PROJECT MANAGER

CPT-2

New York State
Parks, Recreation and
Historic Preservation

SUBMITTAL SHEET—FORM 107HP

THIS FORM SHALL BE COMPLETED ABD ATTACHED TO EACH SUBMISSION OR MATERIAL SAMPLE AND/OR PRODUCT.

Date of SUBMITTAL: December 12, 2023 **Contract No:** D005867

SUBMITTED BY: Emily Grand - FoJJH

Submittal Description/ Content or Item *(Attach photos & additional information including manufacture's installation specifications)*

Carpet for Dining Room

JOHN JAY HOMESTEAD

BEDFORD HOUSE—ARCHITECTURAL FINISHES

ROOM #: 104

ROOM NAME: DINING ROOM

ROOM DIMENSIONS:

WALL AREA (SQ FT):

FLOOR AREA (SQ FT):

MATERIAL TYPE:

☐ *WALLCOVERING* ☒ *CARPET/ RUNNER* ☐ *FLOORCLOTH*

MANUFACTURE: Grosvenor Wilton

PATTERN NAME: Turkish Style

MATERIAL REQUIRED: (ROLLS, SQ FT)

ESTIMATED ORDER DATE: December 22, 2023

ESTIMATED DELIVERY DATE:

COLORWAY:

NOTES: 10 sheets at 24'6"
9 Pattern Matches
248 Linear Feet Border & 24 Matches

REVIEWED BY: (SIGN & DATE)

HEATHER IANNUCCI, SITE DIRECTOR

AMANDA MASSIE, SENIOR CURATOR

ERIN MORONEY, PROJECT MANAGER

CPT-3

New York State
Parks, Recreation and
Historic Preservation

SUBMITTAL SHEET—FORM 107HP

THIS FORM SHALL BE COMPLETED ABD ATTACHED TO EACH SUBMISSION OR MATERIAL SAMPLE AND/OR PRODUCT.

Date of SUBMITTAL: November 14, 2023 **Contract No:** D005867

SUBMITTED BY: Emily Grand - FoJJH

Submittal Description/ Content or Item *(Attach photos & additional information including manufacture's installation specifications)*

Stair runner

JOHN JAY HOMESTEAD

BEDFORD HOUSE—ARCHITECTURAL FINISHES

ROOM #: 105 Stair & 206

ROOM NAME: Stairs & Second Floor Hall

ROOM DIMENSIONS:

WALL AREA (SQ FT):

FLOOR AREA (SQ FT):

MATERIAL TYPE:

☐ *WALLCOVERING* ☒ *CARPET/ RUNNER* ☐ *FLOORCLOTH*

MANUFACTURE: Eaton Hill Textiles

PATTERN NAME: Venetian Carpet

MATERIAL REQUIRED: (ROLLS, SQ FT) 1 pc, 36" width x 10 yds

ESTIMATED ORDER DATE: November 28, 2023

ESTIMATED DELIVERY DATE: 6 months

COLORWAY:

NOTES: Materials cont'd: 2 pieces 35" wide x 18 yards

REVIEWED BY: (SIGN & DATE)

HEATHER IANNUCCI, SITE DIRECTOR

AMANDA MASSIE, SENIOR CURATOR

ERIN MORONEY, PROJECT MANAGER

CPT-4

New York State
Parks, Recreation and
Historic Preservation

SUBMITTAL SHEET—FORM 107HP

THIS FORM SHALL BE COMPLETED ABD ATTACHED TO EACH SUBMISSION OR MATERIAL SAMPLE AND/OR PRODUCT.

Date of SUBMITTAL: November 14, 2023 **Contract No:** D005867

SUBMITTED BY: Emily Grand - FoJJH

Submittal Description/ Content or Item *(Attach photos & additional information including manufacture's installation specifications)*

Carpet for East Parlor

JOHN JAY HOMESTEAD

BEDFORD HOUSE—ARCHITECTURAL FINISHES

ROOM #: 110

ROOM NAME: EAST PARLOR

ROOM DIMENSIONS: 15'6" x 22'6"

WALL AREA (SQ FT):

FLOOR AREA (SQ FT):

MATERIAL TYPE:

☐ *WALLCOVERING* ☒ *CARPET/ RUNNER* ☐ *FLOORCLOTH*

MANUFACTURE: GROSVENOR WILTON

PATTERN NAME: SK100179

MATERIAL REQUIRED: (ROLLS, SQ FT) 48 yards: see notes

ESTIMATED ORDER DATE: November 28, 2023

ESTIMATED DELIVERY DATE: 16-20 Weeks

COLORWAY:

NOTES: 1 sheet 12' x 32'

1 Pattern Match

REVIEWED BY: (SIGN & DATE)

HEATHER IANNUCCI, SITE DIRECTOR

AMANDA MASSIE, SENIOR CURATOR

ERIN MORONEY, PROJECT MANAGER

CPT-5

New York State
Parks, Recreation and
Historic Preservation

SUBMITTAL SHEET—FORM 107HP

THIS FORM SHALL BE COMPLETED ABD ATTACHED TO EACH SUBMISSION OR MATERIAL SAMPLE AND/OR PRODUCT.

Date of SUBMITTAL: November 21, 2023 **Contract No:** D005867

SUBMITTED BY: Emily Grand - FoJJH

Submittal Description/ Content or Item *(Attach photos & additional information including manufacture's installation specifications)*

Carpet for Nancy's bedroom and dressing room

JOHN JAY HOMESTEAD

BEDFORD HOUSE—ARCHITECTURAL FINISHES

ROOM #: 202 & 203

ROOM NAME: NANCY'S BEDROOM/DRESSING ROOM

ROOM DIMENSIONS: 9'x12' / 19'x19'

WALL AREA (SQ FT):

FLOOR AREA (SQ FT):

MATERIAL TYPE:

☐ *WALLCOVERING* ☒ *CARPET/ RUNNER* ☐ *FLOORCLOTH*

MANUFACTURE: Grosvenor Wilton

PATTERN NAME: Floral Geometric c.1827

MATERIAL REQUIRED: (ROLLS, SQ FT) 65 square yard

ESTIMATED ORDER DATE: December 1, 2023

ESTIMATED DELIVERY DATE: 16-20 weeks

COLORWAY:

NOTES: 97 linear yards in 27"

REVIEWED BY: (SIGN & DATE)

HEATHER IANNUCCI, SITE DIRECTOR _____ _____

AMANDA MASSIE, SENIOR CURATOR _____ _____

ERIN MORONEY, PROJECT MANAGER _____ _____

CPT-6

New York State
Parks, Recreation and
Historic Preservation

SUBMITTAL SHEET—FORM 107HP

THIS FORM SHALL BE COMPLETED ABD ATTACHED TO EACH SUBMISSION OR MATERIAL SAMPLE AND/OR PRODUCT.

Date of SUBMITTAL: November 21, 2023 **Contract No:** D005867

SUBMITTED BY: Emily Grand - FoJJH

Submittal Description/ Content or Item *(Attach photos & additional information including manufacture's installation specifications)*

Carpet for William's Bedroom

JOHN JAY HOMESTEAD

BEDFORD HOUSE—ARCHITECTURAL FINISHES

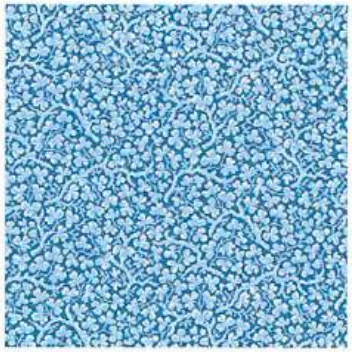
ROOM #: 204

ROOM NAME: WILLIAM'S BEDROOM

ROOM DIMENSIONS: 16'6" x 19'

WALL AREA (SQ FT):

FLOOR AREA (SQ FT):



MATERIAL TYPE:

☐ *WALLCOVERING* ☒ *CARPET/ RUNNER* ☐ *FLOORCLOTH*

MANUFACTURE: Grosvenor Wilton

PATTERN NAME: SK9932-4

MATERIAL REQUIRED: (ROLLS, SQ FT) 48 square yards

ESTIMATED ORDER DATE: December 1, 2023

ESTIMATED DELIVERY DATE: 16-20 weeks

COLORWAY:

NOTES: 68 linear yards in 27"

REVIEWED BY: (SIGN & DATE)

HEATHER IANNUCCI, SITE DIRECTOR

AMANDA MASSIE, SENIOR CURATOR

ERIN MORONEY, PROJECT MANAGER

CPT-7

New York State
Parks, Recreation and
Historic Preservation

SUBMITTAL SHEET—FORM 107HP

THIS FORM SHALL BE COMPLETED ABD ATTACHED TO EACH SUBMISSION OR MATERIAL SAMPLE AND/OR PRODUCT.

Date of SUBMITTAL: November 21, 2023 **Contract No:** D005867

SUBMITTED BY: Emily Grand - FoJJH

Submittal Description/ Content or Item *(Attach photos & additional information including manufacture's installation specifications)*
Carpet for John Jay's Bedroom

JOHN JAY HOMESTEAD
BEDFORD HOUSE—ARCHITECTURAL FINISHES

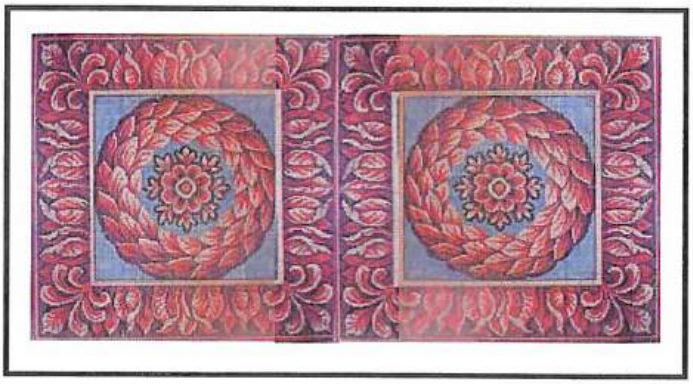
ROOM #: 205

ROOM NAME: JOHN JAY'S BEDROOM

ROOM DIMENSIONS: 19'6" x 24'

WALL AREA (SQ FT):

FLOOR AREA (SQ FT):



MATERIAL TYPE:

☐ *WALLCOVERING* ☒ *CARPET/ RUNNER* ☐ *FLOORCLOTH*

MANUFACTURE: Grosvenor Wilton

PATTERN NAME: Neoclassical Block

MATERIAL REQUIRED: (ROLLS, SQ FT) 54 square yards

ESTIMATED ORDER DATE: December 1, 2023

ESTIMATED DELIVERY DATE: 16-20 weeks

COLORWAY:

NOTES: 109 linear yards in 27"

REVIEWED BY: (SIGN & DATE)

HEATHER IANNUCCI, SITE DIRECTOR _____ _____

AMANDA MASSIE, SENIOR CURATOR _____ _____

ERIN MORONEY, PROJECT MANAGER _____ _____

CPT-8

New York State
Parks, Recreation and
Historic Preservation

SUBMITTAL SHEET—FORM 107HP

THIS FORM SHALL BE COMPLETED ABD ATTACHED TO EACH SUBMISSION OR MATERIAL SAMPLE AND/OR PRODUCT.

Date of SUBMITTAL: November 21, 2023 **Contract No:** D005867

SUBMITTED BY: Emily Grand - FoJJH

Submittal Description/ Content or Item *(Attach photos & additional information including manufacture's installation specifications)*

Carpet for Nursery

JOHN JAY HOMESTEAD

BEDFORD HOUSE—ARCHITECTURAL FINISHES

ROOM #: 215 & 216

ROOM NAME: NURSERY & NURSERY B

ROOM DIMENSIONS: 12'x42' / 12'x21'

WALL AREA (SQ FT):

FLOOR AREA (SQ FT):

MATERIAL TYPE:

☐ *WALLCOVERING* ☒ *CARPET/ RUNNER* ☐ *FLOORCLOTH*

MANUFACTURE: Gaskell Mackay

PATTERN NAME: 221362

MATERIAL REQUIRED: (ROLLS, SQ FT)

ESTIMATED ORDER DATE: December 1, 2023

ESTIMATED DELIVERY DATE: 16-20 weeks

COLORWAY:

NOTES: 123 linear yards in 27"

REVIEWED BY: (SIGN & DATE)

HEATHER IANNUCCI, SITE DIRECTOR

AMANDA MASSIE, SENIOR CURATOR

ERIN MORONEY, PROJECT MANAGER

New York State Parks, Recreation and Historic Preservation

CPT-9

SUBMITTAL SHEET—FORM 107HP

THIS FORM SHALL BE COMPLETED ABD ATTACHED TO EACH SUBMISSION OR MATERIAL SAMPLE AND/OR PRODUCT.

Date of SUBMITTAL: April 9, 2024 **Contract No:** __D005867____

SUBMITTED BY: Emily Grand - FoJJH

Submittal Description/ Content or Item *(Attach photos & additional information including manufacture's installation specifications)*

Carpet for hall to nursery

JOHN JAY HOMESTEAD

BEDFORD HOUSE—ARCHITECTURAL FINISHES

ROOM #: 213

ROOM NAME: Hall to nursery

ROOM DIMENSIONS: 22'7" x 8'1.5"

WALL AREA (SQ FT): _____

FLOOR AREA (SQ FT): _____

MATERIAL TYPE:

☐ *WALLCOVERING* ☒ *CARPET/ RUNNER* ☐ *FLOORCLOTH*

MANUFACTURE: RABBIT GOODY

COLORWAY: Blue

PATTERN NAME: Thistle Hill Weavers Birds Eye

MATERIAL REQUIRED: (ROLLS, SQ FT) 182 sq. feet

NOTES: _____

ESTIMATED ORDER DATE: _____

ESTIMATED DELIVERY DATE: _____

REVIEWED BY: (SIGN & DATE)

HEATHER IANNUCCI, SITE DIRECTOR _____ _____

AMANDA MASSIE, SENIOR CURATOR _____ _____

ERIN MORONEY, PROJECT MANAGER _____ _____

FC-1

New York State
Parks, Recreation and
Historic Preservation

SUBMITTAL SHEET—FORM 107HP

THIS FORM SHALL BE COMPLETED ABD ATTACHED TO EACH SUBMISSION OR MATERIAL SAMPLE AND/OR PRODUCT.

Date of SUBMITTAL: December 12, 2023 **Contract No:** D005867

SUBMITTED BY: Emily Grand - FoJJH

Submittal Description/ Content or Item *(Attach photos & additional information including manufacture's installation specifications)*
Floorcloth for Hall

JOHN JAY HOMESTEAD
BEDFORD HOUSE—ARCHITECTURAL FINISHES

ROOM #: 101 & 105

ROOM NAME: HALL

ROOM DIMENSIONS:

WALL AREA (SQ FT):

FLOOR AREA (SQ FT):


4-COLORS; 2 MARBLE + B&W MARBLE

MATERIAL TYPE:

☐ *WALLCOVERING* ☐ *CARPET/ RUNNER* ☒ *FLOORCLOTH*

MANUFACTURE: Ariel Grace Design

PATTERN NAME:

MATERIAL REQUIRED: (ROLLS, SQ FT)

ESTIMATED ORDER DATE:

ESTIMATED DELIVERY DATE:

COLORWAY:

NOTES: 101" x 450" main hall
111" x 183" back hall

REVIEWED BY: (SIGN & DATE)

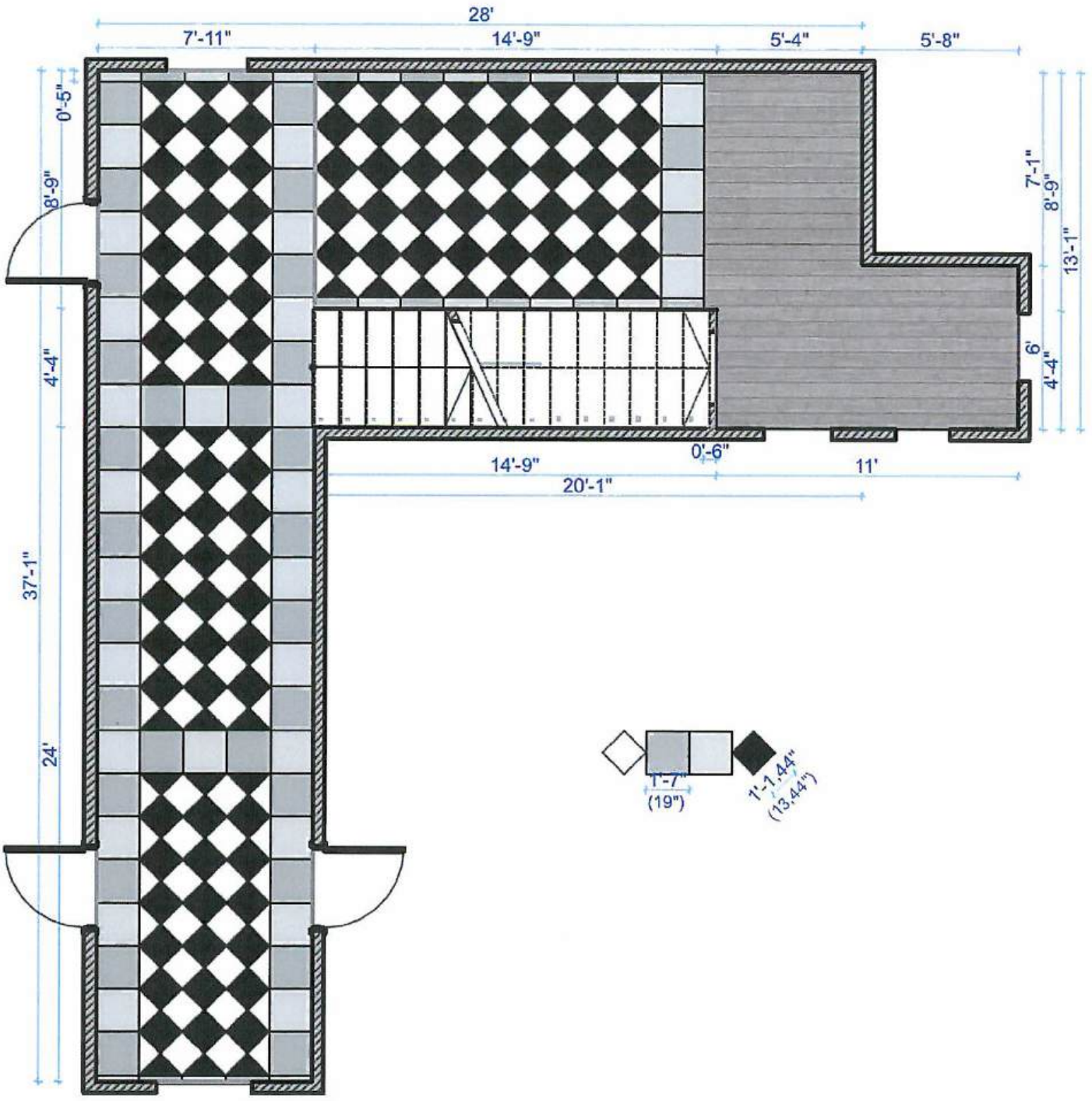
HEATHER IANNUCCI, SITE DIRECTOR

AMANDA MASSIE, SENIOR CURATOR

ERIN MORONEY, PROJECT MANAGER

FC-1

2


28'
7'-11"
14'-9"
5'-4"
5'-8"
0'-5"
8'-9"
4'-4"
37'-1"
24'
7'-1"
8'-9"
13'-1"
6'
4'-4"
0'-6"
14'-9"
11'
20'-1"
1'-7"
(19")
1'-1,44"
(13,44")

FC-2

New York State
Parks, Recreation and
Historic Preservation

SUBMITTAL SHEET—FORM 107HP

THIS FORM SHALL BE COMPLETED ABD ATTACHED TO EACH SUBMISSION OR MATERIAL SAMPLE AND/OR PRODUCT.

Date of SUBMITTAL: November 14, 2023 **Contract No:** D005867

SUBMITTED BY: Emily Grand - FoJJH

Floor Cloth - faux marble

JOHN JAY HOMESTEAD
BEDFORD HOUSE—ARCHITECTURAL FINISHES

ROOM #: 107

ROOM NAME: SERVICE HALL

ROOM DIMENSIONS: _____

WALL AREA (SQ FT): _____

FLOOR AREA (SQ FT): _____

MATERIAL TYPE:

☐ *WALLCOVERING* ☐ *CARPET/ RUNNER* ☒ *FLOORCLOTH*

REVIEWED BY: (SIGN & DATE)

HEATHER IANNUCCI, SITE DIRECTOR _____ _____

AMANDA MASSIE, SENIOR CURATOR _____ _____

ERIN MORONEY, PROJECT MANAGER _____ _____

WC-1

New York State
Parks, Recreation and
Historic Preservation

SUBMITTAL SHEET—FORM 107HP

THIS FORM SHALL BE COMPLETED ABD ATTACHED TO EACH SUBMISSION OR MATERIAL SAMPLE AND/OR PRODUCT.

Date of SUBMITTAL: December 12, 2023 **Contract No:** D005867

SUBMITTED BY: Emily Grand - FoJJH

Submittal Description/ Content or Item *(Attach photos & additional information including manufacture's installation specifications)*
Wallpaper for Hall

JOHN JAY HOMESTEAD
BEDFORD HOUSE—ARCHITECTURAL FINISHES

ROOM #: 101, 105, 201, 206

ROOM NAME: HALL

ROOM DIMENSIONS:

WALL AREA (SQ FT):

FLOOR AREA (SQ FT):

MATERIAL TYPE:

[X] *WALLCOVERING* [ ] *CARPET/ RUNNER* [ ] *FLOORCLOTH*

MANUFACTURE: ADELPHI

PATTERN NAME: Custom

MATERIAL REQUIRED: (ROLLS, SQ FT) 49 Double Rolls

ESTIMATED ORDER DATE: December 22, 2023

ESTIMATED DELIVERY DATE: 4-6 weeks from order

COLORWAY: Custom

NOTES: 16 repeat
21" width x 11 yards
straight match

REVIEWED BY: (SIGN & DATE)

HEATHER IANNUCCI, SITE DIRECTOR _____ _____

AMANDA MASSIE, SENIOR CURATOR _____ _____

ERIN MORONEY, PROJECT MANAGER _____ _____

New York State Parks, Recreation and Historic Preservation

WC-1
ADD'L ROOM

SUBMITTAL SHEET—FORM 107HP

THIS FORM SHALL BE COMPLETED ABD ATTACHED TO EACH SUBMISSION OR MATERIAL SAMPLE AND/OR PRODUCT.

Date of SUBMITTAL: April 9, 2024 **Contract No:** __D005867____

SUBMITTED BY: Emily Grand - FoJJH

Submittal Description/ Content or Item *(Attach photos & additional information including manufacture's installation specifications)*

Wallpaper for hall to nursery

JOHN JAY HOMESTEAD

BEDFORD HOUSE—ARCHITECTURAL FINISHES

ROOM #: 213

ROOM NAME: Hall to nursery

ROOM DIMENSIONS: 22'7" x 8'1.5"

WALL AREA (SQ FT): _____

FLOOR AREA (SQ FT): _____

MATERIAL TYPE:

[X] *WALLCOVERING* [ ] *CARPET/ RUNNER* [ ] *FLOORCLOTH*

MANUFACTURE: ADELPHI

PATTERN NAME: Custom

MATERIAL REQUIRED: (ROLLS, SQ FT) _____

ESTIMATED ORDER DATE: _____

ESTIMATED DELIVERY DATE: _____

COLORWAY: _____

NOTES: _____

REVIEWED BY: (SIGN & DATE)

HEATHER IANNUCCI, SITE DIRECTOR _____ _____

AMANDA MASSIE, SENIOR CURATOR _____ _____

ERIN MORONEY, PROJECT MANAGER _____ _____

WC-2

New York State
Parks, Recreation and
Historic Preservation

SUBMITTAL SHEET—FORM 107HP

THIS FORM SHALL BE COMPLETED ABD ATTACHED TO EACH SUBMISSION OR MATERIAL SAMPLE AND/OR PRODUCT.

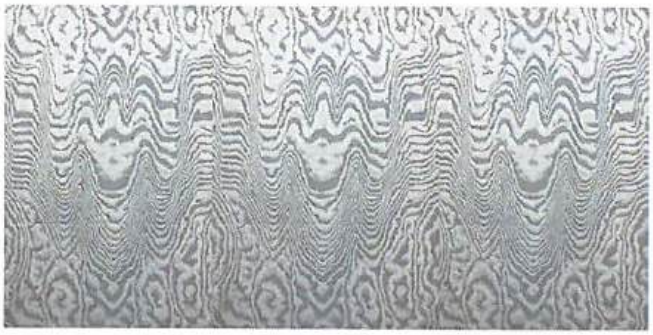
Date of SUBMITTAL: November 14, 2023 **Contract No:** D005867

SUBMITTED BY: Emily Grand - FoJJH

Submittal Description/ Content or Item *(Attach photos & additional information including manufacture's installation specifications)*
Wallpaper for Double Parlor

JOHN JAY HOMESTEAD
BEDFORD HOUSE—ARCHITECTURAL FINISHES

ROOM #: 102 & 103
ROOM NAME: PARLOR
ROOM DIMENSIONS: 20'x38'
WALL AREA (SQ FT):
FLOOR AREA (SQ FT):



MATERIAL TYPE:

[X] *WALLCOVERING* [ ] *CARPET/ RUNNER* [ ] *FLOORCLOTH*

MANUFACTURE: ADELPHI
PATTERN NAME: French Watered Silk Moire
MATERIAL REQUIRED: (ROLLS, SQ FT) 29 rolls, 320 yards
ESTIMATED ORDER DATE: November 28, 2023
ESTIMATED DELIVERY DATE: 4-6 weeks from order

COLORWAY: A
NOTES: Blocks already fabricated
Repeat: 203/4 inches
Width: 19 inches Length: 11 yards

REVIEWED BY: (SIGN & DATE)

HEATHER IANNUCCI, SITE DIRECTOR _____ _____

AMANDA MASSIE, SENIOR CURATOR _____ _____

ERIN MORONEY, PROJECT MANAGER _____ _____

WC-3

New York State
Parks, Recreation and
Historic Preservation

SUBMITTAL SHEET—FORM 107HP

THIS FORM SHALL BE COMPLETED ABD ATTACHED TO EACH SUBMISSION OR MATERIAL SAMPLE AND/OR PRODUCT.

Date of SUBMITTAL: November 14, 2023 **Contract No:** D005867

SUBMITTED BY: Emily Grand - FoJJH

Submittal Description/ Content or Item *(Attach photos & additional information including manufacture's installation specifications)*
Border wallpaper for Double Parlor

JOHN JAY HOMESTEAD
BEDFORD HOUSE—ARCHITECTURAL FINISHES

ROOM #: 102 & 103

ROOM NAME: PARLOR

ROOM DIMENSIONS: 20'x38'

WALL AREA (SQ FT):

FLOOR AREA (SQ FT):

MATERIAL TYPE:

[x] *WALLCOVERING* [ ] *CARPET/ RUNNER* [ ] *FLOORCLOTH*

MANUFACTURE: ADELPHI

PATTERN NAME: Van Cortlandt - Border

MATERIAL REQUIRED: (ROLLS, SQ FT) 160 feet

ESTIMATED ORDER DATE: November 28, 2023

ESTIMATED DELIVERY DATE: 4-6 weeks from order

COLORWAY: A

NOTES:
Repeat: 95/8 inches
Width: 5 1/8 inches

REVIEWED BY: (SIGN & DATE)

HEATHER IANNUCCI, SITE DIRECTOR _____ _____

AMANDA MASSIE, SENIOR CURATOR _____ _____

ERIN MORONEY, PROJECT MANAGER _____ _____

WC-4

New York State
Parks, Recreation and
Historic Preservation

SUBMITTAL SHEET—FORM 107HP

THIS FORM SHALL BE COMPLETED ABD ATTACHED TO EACH SUBMISSION OR MATERIAL SAMPLE AND/OR PRODUCT.

Date of SUBMITTAL: December 12, 2023 **Contract No:** D005867

SUBMITTED BY: Emily Grand - FoJJH

Submittal Description/ Content or Item *(Attach photos & additional information including manufacture's installation specifications)*
Wallpaper for Dining Room

JOHN JAY HOMESTEAD
BEDFORD HOUSE—ARCHITECTURAL FINISHES

ROOM #: 104

ROOM NAME: DINING ROOM

ROOM DIMENSIONS:

WALL AREA (SQ FT):

FLOOR AREA (SQ FT):

MATERIAL TYPE:

[X] *WALLCOVERING* [ ] *CARPET/ RUNNER* [ ] *FLOORCLOTH*

MANUFACTURE: ADELPHI

PATTERN NAME: Custom

MATERIAL REQUIRED: (ROLLS, SQ FT) 21 Double Rolls

ESTIMATED ORDER DATE: December 22, 2023

ESTIMATED DELIVERY DATE: 4-6 weeks from order

COLORWAY: Custom

NOTES: 11" repeat
19 5/8" width x 11 yards
straight match

REVIEWED BY: (SIGN & DATE)

HEATHER IANNUCCI, SITE DIRECTOR _____ _____

AMANDA MASSIE, SENIOR CURATOR _____ _____

ERIN MORONEY, PROJECT MANAGER _____ _____

WC-5

New York State
Parks, Recreation and
Historic Preservation

SUBMITTAL SHEET—FORM 107HP

THIS FORM SHALL BE COMPLETED ABD ATTACHED TO EACH SUBMISSION OR MATERIAL SAMPLE AND/OR PRODUCT.

Date of SUBMITTAL: November 14, 2023 **Contract No:** D005867

SUBMITTED BY: Emily Grand - FoJJH

Submittal Description/ Content or Item *(Attach photos & additional information including manufacture's installation specifications)*
Wallpaper for Service Hall

JOHN JAY HOMESTEAD
BEDFORD HOUSE—ARCHITECTURAL FINISHES

ROOM #: 107

ROOM NAME: SERVICE HALL

ROOM DIMENSIONS:

WALL AREA (SQ FT):

FLOOR AREA (SQ FT):

MATERIAL TYPE:

[X] *WALLCOVERING* [ ] *CARPET/ RUNNER* [ ] *FLOORCLOTH*

MANUFACTURE: ADELPHI

PATTERN NAME: Blanchard Ashlar

MATERIAL REQUIRED: (ROLLS, SQ FT) 18 rolls, 200 yards

ESTIMATED ORDER DATE: November 28, 2023

ESTIMATED DELIVERY DATE: 4-6 weeks from order

COLORWAY: B

NOTES: Repeat: 17 1.4 inches
Width: 18 3/4 inches
Length: 11 yards

REVIEWED BY: (SIGN & DATE)

HEATHER IANNUCCI, SITE DIRECTOR _____ _____

AMANDA MASSIE, SENIOR CURATOR _____ _____

ERIN MORONEY, PROJECT MANAGER _____ _____

WC-6

New York State
Parks, Recreation and
Historic Preservation

SUBMITTAL SHEET—FORM 107HP

THIS FORM SHALL BE COMPLETED ABD ATTACHED TO EACH SUBMISSION OR MATERIAL SAMPLE AND/OR PRODUCT.

Date of SUBMITTAL: November 21, 2023 **Contract No:** D005867

SUBMITTED BY: Emily Grand - FoJJH

Submittal Description/ Content or Item *(Attach photos & additional information including manufacture's installation specifications)*
Wallpaper for Nancy's bedroom and dressing room

JOHN JAY HOMESTEAD
BEDFORD HOUSE—ARCHITECTURAL FINISHES

ROOM #: 202 & 203

ROOM NAME: NANCY'S BEDROOM/DRESSING ROOM

ROOM DIMENSIONS: 9'x12' / 19'x19'

WALL AREA (SQ FT):

FLOOR AREA (SQ FT):

MATERIAL TYPE:

[x] *WALLCOVERING* [ ] *CARPET/ RUNNER* [ ] *FLOORCLOTH*

MANUFACTURE: Hamilton Weston

PATTERN NAME: Carlyle Damask CD10

MATERIAL REQUIRED: (ROLLS, SQ FT) 14 rolls, 150 yards

ESTIMATED ORDER DATE: December 1, 2023

ESTIMATED DELIVERY DATE: 12 weeks

COLORWAY: custom yellow

NOTES: Dressing Room: 7 rolls, 70 yards
Repeat: Approx 21 inches
Roll Size: 10m x 53cm 11 yards x 21 inches

REVIEWED BY: (SIGN & DATE)

HEATHER IANNUCCI, SITE DIRECTOR _____ _____

AMANDA MASSIE, SENIOR CURATOR _____ _____

ERIN MORONEY, PROJECT MANAGER _____ _____

WC-7

New York State
Parks, Recreation and
Historic Preservation

SUBMITTAL SHEET—FORM 107HP

THIS FORM SHALL BE COMPLETED ABD ATTACHED TO EACH SUBMISSION OR MATERIAL SAMPLE AND/OR PRODUCT.

Date of SUBMITTAL: November 21, 2023 **Contract No:** D005867

SUBMITTED BY: Emily Grand - FoJJH

Submittal Description/ Content or Item *(Attach photos & additional information including manufacture's installation specifications)*
Wallpaper for William's Bedroom

JOHN JAY HOMESTEAD
BEDFORD HOUSE—ARCHITECTURAL FINISHES

ROOM #: 204

ROOM NAME: WILLIAM'S BEDROOM

ROOM DIMENSIONS: 16'6" x 19'

WALL AREA (SQ FT):

FLOOR AREA (SQ FT):

MATERIAL TYPE:

[x] *WALLCOVERING* [ ] *CARPET/ RUNNER* [ ] *FLOORCLOTH*

MANUFACTURE: ADELPHI

PATTERN NAME: Toile de la Fontaine

MATERIAL REQUIRED: (ROLLS, SQ FT) 13 rolls, 145 yards

ESTIMATED ORDER DATE: December 1, 2023

ESTIMATED DELIVERY DATE: 4-6 weeks

COLORWAY: A

NOTES: Repeat: 19 1/8 inches
Width: 19 1/4 inches
Length: 11 yards; half drop match

REVIEWED BY: (SIGN & DATE)

HEATHER IANNUCCI, SITE DIRECTOR _____ _____

AMANDA MASSIE, SENIOR CURATOR _____ _____

ERIN MORONEY, PROJECT MANAGER _____ _____

WC-8

New York State
Parks, Recreation and
Historic Preservation

SUBMITTAL SHEET—FORM 107HP

THIS FORM SHALL BE COMPLETED ABD ATTACHED TO EACH SUBMISSION OR MATERIAL SAMPLE AND/OR PRODUCT.

Date of SUBMITTAL: November 21, 2023 **Contract No:** D005867

SUBMITTED BY: Emily Grand - FoJJH

Submittal Description/ Content or Item *(Attach photos & additional information including manufacture's installation specifications)*

Wallpaper for John Jay's Bedroom

JOHN JAY HOMESTEAD

BEDFORD HOUSE—ARCHITECTURAL FINISHES

ROOM #: 205

ROOM NAME: JOHN JAY'S BEDROOM

ROOM DIMENSIONS: 19'6" x 24'

WALL AREA (SQ FT):

FLOOR AREA (SQ FT):

MATERIAL TYPE:

[x] *WALLCOVERING* [ ] *CARPET/ RUNNER* [ ] *FLOORCLOTH*

MANUFACTURE: ADELPHI

PATTERN NAME: Van Cortlandt Rosette

MATERIAL REQUIRED: (ROLLS, SQ FT) 18 rolls, 200 yards

ESTIMATED ORDER DATE: December 1, 2023

ESTIMATED DELIVERY DATE: 4-6 weeks

COLORWAY: A

NOTES: Repeat 18 1/2 inches
Width 18 1/2 inches
Length 11 yards

REVIEWED BY: (SIGN & DATE)

HEATHER IANNUCCI, SITE DIRECTOR _____ _____

AMANDA MASSIE, SENIOR CURATOR _____ _____

ERIN MORONEY, PROJECT MANAGER _____ _____

WC-9

New York State
Parks, Recreation and
Historic Preservation

SUBMITTAL SHEET—FORM 107HP

THIS FORM SHALL BE COMPLETED ABD ATTACHED TO EACH SUBMISSION OR MATERIAL SAMPLE AND/OR PRODUCT.

Date of SUBMITTAL: November 21, 2023 **Contract No:** D005867

SUBMITTED BY: Emily Grand - FoJJH

Submittal Description/ Content or Item *(Attach photos & additional information including manufacture's installation specifications)*

Wallpaper for Nursery

JOHN JAY HOMESTEAD

BEDFORD HOUSE—ARCHITECTURAL FINISHES

ROOM #: 216

ROOM NAME: DAY NURSERY

ROOM DIMENSIONS:

WALL AREA (SQ FT):

FLOOR AREA (SQ FT):

MATERIAL TYPE:

[X] *WALLCOVERING* [ ] *CARPET/ RUNNER* [ ] *FLOORCLOTH*

MANUFACTURE: Hamilton Weston

PATTERN NAME: Sandycombe Lodge

MATERIAL REQUIRED: (ROLLS, SQ FT) 19 rolls 11 yards long

ESTIMATED ORDER DATE: December 1, 2023

ESTIMATED DELIVERY DATE: 8-12 weeks

COLORWAY: Pale green

NOTES: Repeat: Approx 10.5 inches

Roll: 10m x 52cm

11 yards x 20.5 inches

REVIEWED BY: (SIGN & DATE)

HEATHER IANNUCCI, SITE DIRECTOR _____ _____

AMANDA MASSIE, SENIOR CURATOR _____ _____

ERIN MORONEY, PROJECT MANAGER _____ _____

New York State Parks, Recreation and Historic Preservation

WC-10

SUBMITTAL SHEET—FORM 107HP

THIS FORM SHALL BE COMPLETED ABD ATTACHED TO EACH SUBMISSION OR MATERIAL SAMPLE AND/OR PRODUCT.

Date of SUBMITTAL: April 9, 2024 **Contract No:** **D005867**

SUBMITTED BY: Emily Grand - FoJJH

Submittal Description/ Content or Item *(Attach photos & additional information including manufacture's installation specifications)*

Wallpaper for John Jay's Office

JOHN JAY HOMESTEAD

BEDFORD HOUSE—ARCHITECTURAL FINISHES

ROOM #: 106

ROOM NAME: John Jay's Office

ROOM DIMENSIONS:

WALL AREA (SQ FT):

FLOOR AREA (SQ FT):

MATERIAL TYPE:

[X] *WALLCOVERING* [ ] *CARPET/ RUNNER* [ ] *FLOORCLOTH*

MANUFACTURE: ADELPHI

PATTERN NAME: Custom

MATERIAL REQUIRED: (ROLLS, SQ FT) 10 rolls

ESTIMATED ORDER DATE:

ESTIMATED DELIVERY DATE:

COLORWAY:

NOTES:

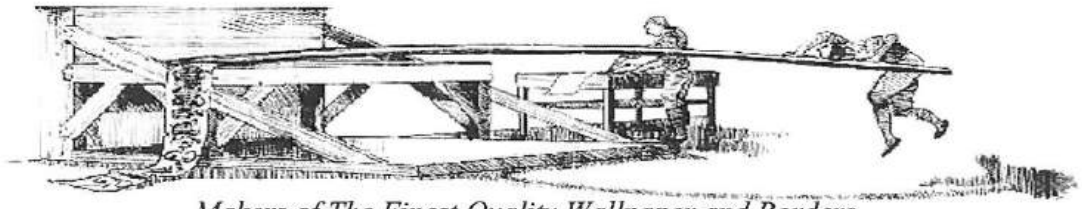
REVIEWED BY: (SIGN & DATE)

HEATHER IANNUCCI, SITE DIRECTOR

AMANDA MASSIE, SENIOR CURATOR

ERIN MORONEY, PROJECT MANAGER

ADELPHI PAPER HANGINGS



Makers of The Finest Quality Wallpaper and Borders

Guidelines for Application

Specifications

Paper: 75% cotton 25% cellulose. Acid neutralized
Coating: Non-toxic acrylic distemper.

Wall Preparation

Plaster: Prime with a non-pigmented acrylic wallcovering primer.
Raw Sheetrock: Prime with one coat alkyd oil or one coat wall-protecting sealer such as Gardz (from Zinsser) or Draw-Tite (from Scotch Paint) followed by an acrylic wallcovering primer. Alternatively, "Fresh Start" primer from Benjamin-Moore, in either an alkyd or acrylic formulation may be used as the first coat, followed by an acrylic wallcovering primer.
Painted Walls (sheetrock or plaster): Painted walls should be examined to ensure that the paint film is sealed, sound and can accept the stress of contracting paper. Builder's flat is not an acceptable painted surface. If builder's flat (cheap paint) is present, treat it as above for raw sheetrock.
Liner Paper: Lining paper is strongly recommended as it will give the installer more control over the installation, especially at seams, and will improve the finish qualities of the installation. House Museums and other sites concerned with longevity of the installation should use an acid-free paper liner. Modern lining papers (sometimes called bridging liners) - 50/50 blends of cotton pulp and rayon, polyester or other synthetics are not suitable as an underlayment for paper installations.

Trimming

Our papers can be applied with a modern butt seam or, more traditionally, with an overlap of approximately 1/2 to 3/4 inch. In either case, block-printed papers have selvedges which must be trimmed. For butt seams, trim both

sides to match. For overlapping seams, trim one side to match and leave 1/2 to 3/4 inch plain selvedge on the other. In general, butt seaming is the more difficult method and is more likely to lead to paste stains at the seam areas.

Pasting

Use either wheat paste mixed by hand or use a premixed clear paste such as Shur Stik 44 or 780, Golden Harvest 14 or 34 (GH-14 or GH-34) or Romans Professional 880 or 838 or Dynamite 234. For plain painted papers a mixture of 75% wheat paste to 25% cellulose is recommended. In the UK we recommend Hall Beeline Wheat Based Tub Paste. Dilute paste only if needed.

Installing

Paste the back of the paper. Avoid getting paste on the surface. Paste with brush or roller. Allow the paper to relax for a minimum of 5 minutes up to around 10 minutes before hanging. Fold the bottom third of the strip before approaching the wall. Installation is safer with two people.

The distemper finish is not like modern washable papers; it is 'wipe-able' but not washable. Install with extreme care to keep adhesive from touching the surface. If this happens, blot lightly (but do not rub) with a damp sponge to remove residue. Double-cutting is not possible. Always keep paste off your hands during the pasting and installing phases. It helps to keep a towel on your person to remove adhesive from your fingers during pasting and hanging.

TIPS

Allow drying time before setting the seams.

Use a soft smoothing brush and a wooden roller to set the seams. Take care to roll the seams lightly: excess pressure can cause the paste to ooze out onto the face of the paper. Excessive pressure can also result in a shiny seam.

If you can, hire a professional paperhanger to measure the room to determine the proper quantity of paper. Buy a few extra rolls for disaster and repairs. As each run is printed to order there can be slight variations from one to the next; make certain you order enough from the same production run.

Suitable lining paper and other paperhanging supplies are available online from

www.paper-hangings.com. They are available by telephone at: 413-243-3489

PAPER HANGING INSTRUCTIONS for Hamilton Weston Wallpapers

Please read these instructions carefully before hanging this wallcovering. Hamilton Weston Wallpaper Ltd. always recommend the use of a professional decorator to hang these specialist wallcoverings.

Preparation

- Walls should be dry, clean and even.
- Remove any old wallpaper and loose paint.
- Roughen painted surfaces with sandpaper.
- For best results we recommend that walls are cross lined using a good quality lining paper.
- Sizing the lining paper will aid adhesion.

Lining should be allowed to dry out completely before hanging the wallcovering.

DIGITAL PRINTS ON NON WOVEN BASE

Pasting and Hanging

- This is a paste the wall product. The decorator should paste the wall and not the back of the wallcovering.
- A good quality, solvent free, fungicide protected ready-mixed 'tub' adhesive should be used for the lining and the wallpaper
- Paste should be evenly applied to the wall, one length at a time, to an area slightly wider than the width of the paper.
- Butt joint and use a decorators brush to smooth down the wallcovering, working from the centre to the edges to remove any air bubbles.
- Avoid squeezing paste out of the joints and ensure paste does not get onto either the brush or roller.
- No paste should be allowed to come into contact with the surface and hands should be kept clean and dry whilst hanging the wallcovering
- Paste will damage the surface. We cannot accept responsibility for marks or damage caused by paste.
- Should any paste have been allowed to come into contact with the surface, it should be lightly sponged while still moist, using a clean damp sponge.

Wide width digital prints

To hang the first drop, press it onto the pasted wall along the top. Keeping the rest of the paper off the wall align the edge of the paper to the vertical guide line. Once in position use a plastic spatula to smooth the paper downwards & outwards, removing all air bubbles. Trim top & bottom.

Paste the required area & hang the second drop overlapping the edge of the first drop by approx. 20mm, to match the pattern. Secure the rest of the paper as before. Cut through the centre of the overlap with a very sharp blade using a metal edge as a guide. Ensure metal cutting guide is appropriate for the wall surface. We recommend a short edge that is pliable enough to mould to the wall. Pull away the 2 strips of paper, flap back the edges & re-paste. Press edges back into position to form a perfect join. Now trim top & bottom.

London Maps 1862 & 1746

With each drop cut and overlap the sections on site as required to obtain the best possible pattern match for each join. Align the top and adjoining edges and smooth the drop into place using a felt roller for smoothing by starting at the middle of each drop. It may help to soften longer drops by lightly spraying the reverse delicately and lightly with water before hanging and positioning the paper.

Design: Swakeleys ONLY
This paper is supplied on a non woven base but is supplied untrimmed. Walls should be cross lined as above.
Decide on the starting point for the area to be papered, plumb a line for the first drop.
ANY PENCIL MARKS MAY SHOW THROUGH A PALE PAPER SO DO NOT USE A HEAVY MARKER.

Measure the length of the first drop, adding sufficient excess top and bottom to allow for trimming. Check all drops required are the correct length. Cut and number the required drops.

Continue to hang the paper using the instructions a for digital printed paper above.

HAND PRINTS

Any paper based product should have the paste applied to the paper (NOT THE WALL)
To obtain the best result, walls should be cross-lined with a good quality lining paper. Dark coloured wallpapers may need the edges colouring with a matching crayon before hanging. This will avoid white edges showing.

Adhesive
Use a good quality ready mixed tub paste
(UK: Cole & Son, Beeline prepared tub paste for hand prints)

A smooth thick paste rather rounder than usual, and well brushed out, will provide the best adhesion. (Cellulose and powder pastes are not recommended as they are likely to cause surface staining). Over soaking is to be avoided, but sufficient time should be allowed to enable the paper to become supple or bubbling may result. Allow 5-8 minutes, depending on room temperature.

We recommend that ONE length only is cut and pasted* at a time. Care should be taken to avoid double pasting as this can cause discolouration. Paste should not be allowed to come into contact with the printed surface of the wallpaper. (Any paste touching the surface of the paper should be removed immediately by dabbing it off quickly with a very lightly moistened soft sponge). Joints should be tightly butted,
not overlapped.

General
This information has been supplied in good faith, but without guarantee. Hamilton Weston Wallpaper Ltd. cannot be held responsible for any installation. Site conditions are beyond our control. It is the responsibility of the purchaser to ensure that the environment is suitable for the wallcovering.

Should the paper be considered faulty after the first two or three lengths have been hung, this should be notified immediately. We cannot accept responsibility after the work has been completed, and no hanging costs will be allowed for goods hung.

Finishing
If added protection is required, we recommend 'Polyvine' water-based varnish available in Dead Matt, Satin or Gloss finish. Allow the wallpaper to dry for 24hrs. before varnishing. For further information see www.polyvine.com

June 2019

Gaskell Mackay and Grosvenor Wilton Installation Guidelines

- All the carpet should be sewn to plan, no other method of seaming is acceptable.
- The underfelt should be a traditional underfelt or a combination underlay of felt and crumb rubber, these underlays allow for the sewn joins to bed down into the felt. They also allow the floor under the carpet and underfelt to breath.
- The carpet must be stretch fitted onto carpet gripper; we do not recommend sticking the carpet.
- All cut edges of the carpet should be treated with an edge sealer or finished with a blind taped edge.
- If subfloor uneven, plywood recommended.

Eaton Hill Textiles
Installation Guidelines

- Staircase: To be installed with brass stair rods at each tread.
- Second Floor Hall: Two pieces sewn together and blind tacked.
- Traditional padding laid below carpet.

Installation Procedure for Upstairs Hallway Carpet

The upstairs hallway is going to be a wall-to-wall installation of a diamond ingrain carpet documented from J and R Bronson's, "The Domestic Manufacturers Assistant" published in 1817. This is an all-wool carpet which needs to be installed by Rick Clanton, Lancaster, PA, or Bryan Gfroerer, Cincinnati, OH. The carpet needs to be seamed and installed over a Dura Hold Pad or a similar felt pad. Installation fees are charged by the installer directly to the contracting party. Both installers have worked with our historic carpeting. We only support the installation of our carpet with a historic carpet installer.

GROSVENOR WILTON

Est. 1790

21/05/2024

Woven to Plan Wilton Carpet:

We can weave and sew carpets to your plan in widths of 0.69mts and 0.91mts. See sketch plan showing how the carpets might be sewn to plan.

According to the size of the space to be covered (to the nearest multiple of 0.69mts or 0.91mts) to achieve minimum waste.

The dotted line in the illustration below shows the shape and size of the room, the black lines represent the widths of the carpet.

You will need to add a pattern repeat for patterned carpets to each width, either a self-match or a half drop.

The easy way to do this is to divide the pattern repeat size into the room length and add one extra pattern match, this way you should have adequate carpet.

Remember never order net sizes of a room always add a little extra at each end, we suggest a minimum of 20cms plus a full pattern repeat. This will allow the pattern to be balanced in the room.

Our carpets must have sewn joins and stretch fitted onto a traditional underfelt and gripper, you can use a felt and crumb rubber combination underlay.

Never stick our carpets to the subfloor or use a double stick installation or use any other seaming method other than sewing.

All cut edges and ends should be treated with an edge sealer to prevent fraying.

Grosvenor Wilton
W. grosvenorwilton.co.uk
E. enquiries@grosvenorwilton.co.uk
T. +44 (0)1562 701 456
Hoobrook, Kidderminster, Worcestershire
United Kingdom DY10 1XW
Registered No: 10714815

APPENDIX 3

Typical Seaming Plan

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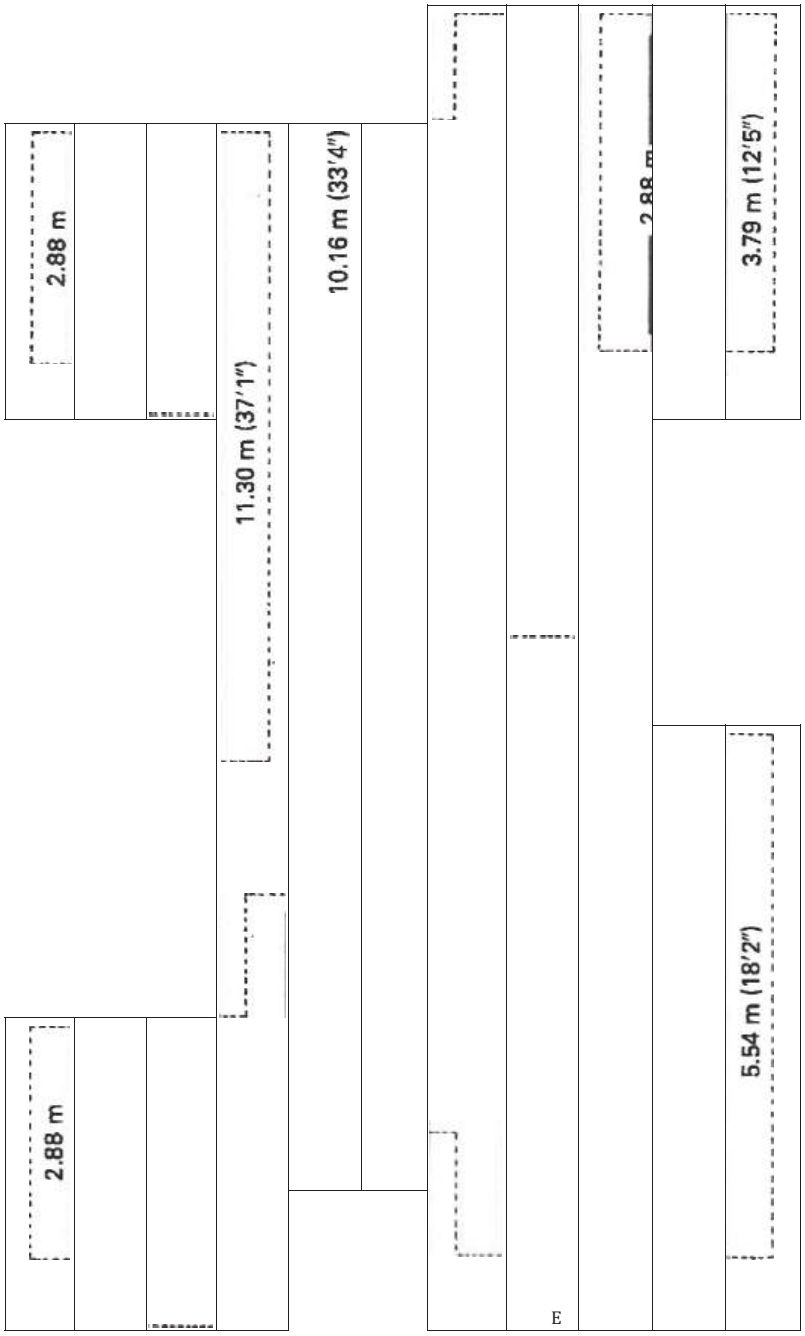
TYPICAL SEAMING PLAN

EXAMPLE ONLY. GC/CM TO VERIFY IN FIELD AND PROVIDE SHOP DRAWINGS.



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APPENDIX 4

Hazardous Materials Investigation Report –1/31/2024

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HAZARDOUS MATERIALS INVESTIGATION REPORT

AT

JOHN JAY HOMESTEAD STATE HISTORIC SITE

Prepared for:

Beyer Blinder Belle Architects & Planners LLP
120 Broadway, 20th Floor
New York, New York 10271

New York State Office of Parks, Recreation & Historic Preservation
625 Broadway
Albany, New York 12207

Prepared by:

Matrix New World Engineering, Land Surveying,
and Landscape Architecture, PC
20 West 37th Street, 12th Floor
New York, New York 10018

Contract No. **D006098**
Matrix Project No. **23-0088**

2	Revised Submission	1/31/2024	T.MacGillivray	T.MacGillivray
1	Initial Submission	10/24/2023	T.MacGillivray	G. Gilmore
No.	**Description:**	**Date:**	**By:**	**Apr:**
REVISIONS				

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APPENDICES

1.0 INTRODUCTION

1.1. PROJECT DESCRIPTION AND UNDERSTANDING OF SCOPE

Matrix New World Engineering, Land Surveying, and Landscape Architecture, P.C. (Matrix), under a sub-consultant agreement with Beyer Blinder Belle Architects & Planners LLP (BBB) to provide environmental investigation and material characterization services, has completed a scope-specific hazardous materials investigation at the existing John Jay Homestead State Historic Site (site) located at 400 Jay Street Katonah, New York in advance of their anticipated building enhancements and upgrades.

Specifically, the investigation consisted of the identification, characterization, quantification, and delineation of asbestos-containing material (ACM), polychlorinated biphenyl (PCB) containing caulking/sealant materials, universal and regulated waste, the assessment of indoor microbial/biological conditions, and other site conditions which may trigger additional regulatory stipulations to facilitate the work of this contract.

Matrix's efforts were inclusive of the following buildings scheduled for renovation per information provided by the BBB Team:

- School House;
- Brick Cottage;
- Coachman's House; and
- Bedford House.

A combination of bulk (grab) sampling, direct examination (microbial), indoor air quality (IAQ) sampling, and professional observations were utilized by the Matrix team in their investigation efforts. Sampling procedures and methodologies, as well as the findings of this investigation are further described in subsequent sections.

The general site location can be found on the Figure *1 Regional Location Map*.

2.0 PRELIMINARY DESKTOP REVIEW

Prior to performing the limited hazardous materials investigation, Matrix requested documents relating to previously performed hazardous materials inspections for the purposes of supplementing existing information and to prevent duplication of efforts/bulk sample submissions. To date, Matrix has not received a previous hazardous materials inspection reports associated with the site.

3.0 ASBESTOS-CONTAINING MATERIAL

3.1. INTRODUCTION

The asbestos portion of the hazardous materials investigation was performed on August 23rd, 2023, September 28th, 2023, and January 4th, 2024, and was led by Mr. Tyler MacGillivray, a Certified Asbestos Investigator (CAI No. 161956) through the New York City Department of Environmental Protection (NYCDEP) and Asbestos Building Inspector through the New York State Department of Labor (NYSDOL No. 22-02759). Sample collection and general support was provided by the following certified Matrix staff members:

- Mr. Gavin Gilmore (NYCDEP No. 118976 and NYSDOL No. 23-6T9LK-SHAB);
- Mr. Matthew Sheldon (NYCDEP No. 148633 and NYSDOL No. 14-12741);
- Mr. Mikulas Ceselka (NYCDEP No. 162838 and NYSDOL No. 23-61DJN-SHAB);
- Mr. Joseph Dorville (NYSDOL No. 22-02759);
- Mr. Jason Toth (NYSDOH No. 22-09881); and
- Mr. Jerry Solomon (NYSDOH No. 11-16244).

3.2. INVESTIGATION METHODOLOGIES AND SAMPLING PROCEDURES

The asbestos investigation included the visual inspection of structure areas and areas made accessible through limited destructive methods within the provided scope of work (SOW) limits of the project for friable and non-friable materials and materials or products which are suspected of containing asbestos.

Specifically, the investigation consisted of the following steps:

- Investigation of accessible areas for friable materials and non-friable materials or products which are likely to contain asbestos.
- Delineation of homogeneous areas (HA) and determination of the locations for the collection of bulk samples.
- Collection of information on the physical condition and location of all ACM and on other characteristics of the buildings which may increase the likelihood that ACM may be disturbed and that fibers could be released and distributed to the environment.
- Preparation of a tabulated inventory of suspect ACM and bulk samples collected from suspect ACM. The table includes the location, quantity, condition, determination as to whether the material is friable or non-friable, and the analytical results.

The asbestos investigation and sampling program was conducted in accordance with the United States Environmental Protection Agency (USEPA) publication, "*Asbestos in Buildings,*" survey and sampling protocol and the Asbestos Hazard Emergency Response Act (AHERA) asbestos inspection protocols; Title 15, NYCDEP, Chapter 1, Asbestos Control Program; and the NYSDOL Part 56 of Title 12, Asbestos.

Bulk samples were collected from each homogenous area (HA) to determine the presence/absence of asbestos. Samples were submitted to EMSL Analytical, Inc (ELAP Certification No. 10872) for analysis of asbestos content by polarized light microscopy (PLM), New York State Department of Health (NYSDOH) Method 198.1 for friable asbestos and Method 198.6 for non-friable organically bound (NOB) materials. NOB materials (e.g., caulks, adhesives, and mastic, etc.) which yielded inconclusive results through PLM analysis (≤1% asbestos) were re-analyzed by NYSDOH Method 198.4 through transmission electron microscopy (TEM). Samples were properly bagged, sealed, and cataloged by the Matrix field team; chain-of-custody documentation was completed for shipment/drop-off to the laboratory in general accordance with the procedures outlined in 40 CFR Part 763 (AHERA).

Locations at which samples were collected were strategically selected on-site by the Matrix team in a manner which supports representative data for each of the materials collected. The locations of the bulk samples collected from HAs noted during the investigation are depicted on the Sample Location Plans provided in the Appendices. Samples were collected in accordance with the procedures outlined in the AHERA regulations (40 CFR Part 763). In accordance with 40 CFR Part 763, ACM is defined as a material containing >1% asbestos by weight.

Bulk sample analysis results are summarized in tabular form in Table 1 and copies of the laboratory analytical data reports are included as Appendix B.

3.2.1. THERMAL SYSTEMS INSULATION

Thermal System Insulation (TSI) is defined in 29 CFR 1910.1101 (OSHA, Occupational Exposures to Asbestos) as material "applied to pipes, fittings, boilers, breeching, tanks, ducts, or other structural components to prevent heat loss or gain." TSI materials are characterized by their form or composition.

Pipe fitting insulation (i.e., pipe joints, elbows, valves, tees, etc.) may contain asbestos and is usually hand molded mud-applied to the fitting and may have a canvas wrapping over the material. The newer non-asbestos pipe fitting insulation is typically fiberglass covered with a PVC or paper jacket or rubber. The number of samples to be collected from each HA is as follows:

- 3 samples from each HA;
- 1 sample from each HA of patched TSI if < 6 square feet;
- A sufficient number of samples, as determined by a certified inspector, to determine whether the material is ACM for other TSI (elbows); and
- No samples of TSI that are determined, by the certified inspector, to be fiberglass, foam glass, rubber, and other non-suspect insulation.

3.2.2. SURFACING MATERIAL

29 CFR 1910.1101 defines surfacing material as "sprayed, troweled-on or otherwise applied to surfaces (such as plaster on ceilings and walls or other materials on surfaces for acoustical, fireproofing, and other purposes)." The anticipated number of samples of each friable HA was determined in the field by the area of material, as follows:

- 3 samples from HAs up to 1,000 square feet;
- 5 samples for HAs of 1,000 to 5,000 square feet; and
- 7 samples for HAs greater than 5,000 square feet.

3.2.3. MISCELLANEOUS MATERIAL

40 CFR 763.83 defines miscellaneous material as building material on "structural components, structural members or fixtures, such as floor and ceiling tiles, and does not include surfacing material or thermal system insulation." A minimum of two (2) samples were collected from each miscellaneous HA (as required by AHERA).

3.3. SUMMARY OF INVESTIGATION FINDINGS

This section describes the materials collected and submitted for laboratory analysis as part of the subject investigation. The following materials were collected by the Matrix team:

<u>School House:</u>

- Multi-Layer Wall Plaster (HA-SH-01-L1/L2/L2T) – First Floor and Attic Stairs;
- Multi-Layer Ceiling Plaster (HA-SH-02-L1/L2/L2T) – First Floor;
- Cementitious Repair (HA-SH-03) – Attic Stairs;
- Stone Rubble Mortar (HA-SH-04) – Exterior; and
- Exterior Window Glazing (HA-SH-05) – East Side Gable Window.

<u>Brick Cottage:</u>

- Multi-Layer Wall Plaster (HA-01-L1/L2) – First and Second Floors;
- Multi-Layer Ceiling Plaster (HA-02-L1/L2) – First and Second Floors;
- Exterior Window Glazing (HA-03) – Exterior Façade South and North;
- Wall Vapor Barrier (HA-04) – 1st Floor North Area Entrance;
- Paper Wall Insulation Composite (HA-05-L1/L2/L2M) – 1st Floor North Area Entrance;

- Corrugated Insulation (HA-06) – Basement Ceiling;
- Rubble Wall Mortar (HA-07) – First Floor;
- Brick Mortar (HA-08) – First and Second Floors;
- White Paper Wall Insulation (HA-09) – First Floor;
- Flue Packing (HA-10) – Boiler Room;
- Linoleum (HA-11) – First Floor;
- Wallpaper (HA-12) – First and Second Floor;
- Corrugated Pipe Insulation (HA-13) – First Floor and Basement;
- Waterproofing Membrane (HA-14) – First Floor;
- 12”x12” Self-Stick and Associated Mastic (HA-15) – Second Floor;
- Remnant Tar Paper (HA-16) -Basement;
- Remnant Fibrous Paper (HA-17) – Basement;
- Dishware Print Wallpaper (HA-18) – Room #5;
- (Green) & (White) Striped Wallpaper (HA-19) – 2nd Floor Main Stair Landing;
- (White) Wallpaper (HA-20) – Room #11;
- Flower Print Wallpaper (HA-21) – Room #13;
- Pink Flower Print Wallpaper (HA-22) – Room #12;
- (White) & (Yellow) Stripe Wallpaper (HA-23) – Room #12;
- Strawberry Wallpaper (HA-24) – Room #09;
- (Blue) Leaf Patterned Wallpaper (HA-25) – Intermediate Space Bedroom;
- (Gray) Linoleum (HA-26) – Intermediate Space Bathroom;
- Rope Gasket to Boiler (HA-27) – First Floor;
- Boiler Inner Box (HA-28) – First Floor; and
- Rope Gasket to Boiler (HA-29) – First Floor.

Coachman’s House:

- Exterior Window Glazing (HA-CH-01) – East Side Gable Window; and
- All Service Jacket to Fiberglass Pipe Insulation (HA-CH-02) – Basement.

Bedford House:

- Multi-Layer Wall Plaster (HA-BH-01-L1/L2) – First, Second, and Third Floors;
- Multi-Layer Ceiling Plaster (HA-BH-02-L1/L2) – First, Second, and Third Floors;
- Mudded Joint Insulation and Associated Jacket (HA-BH-03-L1/L2) – Third Floor;
- All Service Jacket to Fiberglass Pipe Insulation (HA-BH-04) – Third Floor;
- Exterior Window Glazing (HA-BH-05) – Exterior; and
- 12”x12” Tan Vinyl Floor Tile & Mastic (HA-BH-06/06M) – Second Floor;
- Skim Coat to Rubber Wall (HA-BH-07) – Basement Room B18;
- Rubber Wall Mortar (HA-BH-08) – Basement Room B17;
- Ceramic Chimney Tile Grout (HA-BH-09G) – First Floor Room B102;
- Ceramic Chimney Tile Mortar (HA-BH-09M) – First Floor Room B102;
- (Green) Fern Patterned Wallpaper (HA-BH-10) – First Floor Room B102;
- Ceramic Chimney Tile Grout and Mortar (HA-BH-11G/11M) – First Floor Room B104;
- (Brown) Grape Leaf Patterned Wallpaper (HA-BH-12) – First Floor Room B104;
- (Black) & (Gold) Leaf Patterned Wallpaper (HA-BH-13) – First Floor Room B105;
- (Tan) Leaf Patterned Wallpaper (HA-BH-14) – First Floor Room B106;
- (Blue) Flowerpot Wallpaper (HA-BH-15) – First Floor Room B204;
- Corrugated Pipe Insulation & Associated Jacket (HA-BH-16-L1/L2) – First Floor Room B17;
- Chimney Liner (HA-BH-17) – First Floor Room B16;
- Carpet Glue (HA-BH-18) – First Floor Room B128;
- 12”x12” Tan Vinyl Floor Tile & Mastic (HA-BH-19) – First Floor; and

- Main Roof Composite (Mesh & Membrane) (HA-BH-20-L1/L2) – Main Roof.

A tabulated inventory of sampled materials has been provided in Table 1, which includes specific information relating to sample locations, analysis methods, and quantitative analysis results.

Photos of materials submitted for analysis can be found in the Appendix A Photolog.

3.4. INVESTIGATION LIMITATIONS AND ASSUMTIONS

Matrix's investigation included the assessment and characterization of materials which were accessible (or could be made accessible through limited destructive methods utilized on site) at the time of the subject investigation. It is possible that suspect ACM may exist in concealed spaces which were not observable or accessible at the time of the limited investigation (i.e., wall cavities, electrified components, etc.). Therefore, any suspect materials, including but not limited to, concealed vapor barriers/water-proofing membranes, materials applied to structural elements, and electrical components which are encountered during the work of this contract must be assumed to contain asbestos and treated as ACM, until sampling can be accomplished.

A tabulated inventory of confirmed and assumed ACM can be found in Table 2.

3.5. TRACE ASBESTOS

Be advised; multiple materials were found to contain asbestos content less-than-or-equal-to one percent. While these materials are not considered to be asbestos containing per many applicable regulations, contractors performing work which engage these materials are responsible for ensuring workers are not exposed in excess of the OSHA Permissible Exposure Limit (PEL).

<u>Brick Cottage:</u>

- Exterior Window Glazing (HA-03) – Exterior Façade South and North;
- 12"x12" Self-Stick Associated Mastic (HA-15) – Second Floor;
- Remnant Tar Paper (HA-16) -Basement;
- (White) Wallpaper (HA-20) – Room #11; and
- (Blue) Leaf Patterned Wallpaper (HA-25) – Intermediate Space Bedroom.

<u>Bedford House:</u>

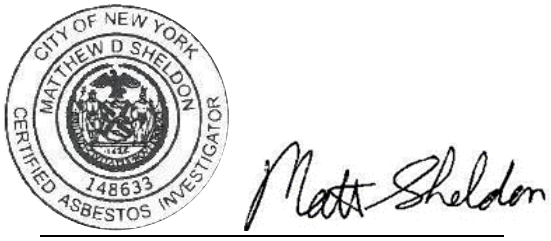
- Exterior Window Glazing (HA-BH-05) – Exterior.

3.6. SIGNATURES

Pursuant to 15 RCNY, Title 15, § 1-16(h)(1), applicable NYCDEP CAIs' seals and signatures have been provided for the asbestos investigation work described in the subsequent Sections:

NYCDEP CAI IN-CHARGE

Tyler MacGillivray
Project Manager



NYCDEP CAI

Matthew Sheldon
Project Manager

4.0 POLYCHLORINATED BIPHENYLS

4.1. INVESTIGATION METHODOLOGIES AND ANALYSIS METHODS

An investigation targeted at the identification of suspect PCB-containing caulking/sealant materials present within the each of the subject structures was performed by Matrix concurrently with the asbestos and lead sampling efforts. PCBs refer to a class of aromatic organic chlorine compounds whose exposure have been linked to adverse human health effects and have been classified as an A1 *Confirmed Human Carcinogen* by the ACGIH. PCBs were used in a wide range of industrial applications and as an additive to many consumer products from 1929 to 1979 (when they were subsequently prohibited from use) including hydraulic and dielectric fluids, lubricants, additives to plastics, paints, and pesticides.

Most recently, PCBs have been detected in caulking materials that were manufactured during that period. PCB manufacturing, processing, distribution, and disposal are currently regulated by the Toxic Substances Control Act (TSCA), 40 CFR Part 761. TSCA classifies PCB-containing bulk materials into the following categories:

- Non-Regulated Waste 0 to <50 ppm or mg/Kg PCBs
- PCB Contaminated Waste 50 to <500 ppm or mg/Kg PCBs
- PCB Material ≥500 ppm or mg/Kg PCBs

Disposal of caulking materials that are characterized as PCB Contaminated or PCB Material are an EPA-regulated PCB non-liquid (bulk) Waste under TSCA. Refer to Section 6.4 for additional disposal information.

4.2. SUMMARY OF LABORATORY ANALYSIS

Samples of suspect PCB containing caulking materials were submitted under chain-of-custody to EMSL Analytical, Inc. (ELAP No. 10872) for analysis through EPA Method SW846 3540C/8082A to determine total PCB concentrations. For the purposes of determining whether a caulking material falls under the regulated *PCB Bulk Material* classification, the summation of all PCB parameter/type analyzed must be greater than or equal to 50 mg/Kg. The following table summarizes the laboratory results of the caulking materials submitted for analysis:

Sample No.	Affected Component	Result (mg/Kg)	Classification
School House			
PCB-HA-SH-05	Exterior Window Glazing	<0.24	Non-PCB Regulated Waste*
Brick Cottage			
PCB-HA-03	Exterior Window Glazing	<0.24	Non-PCB Waste
Coachman's House			
PCB-HA-CH-01	Exterior Window Glazing	<0.24	Non-PCB Regulated Waste*
Bedford House			
PCB-HA-BH-05	Exterior Window Glazing	<0.25	Non-PCB Waste

*Asbestos-Containing Material

Laboratory data packages have been included in Appendix B.

5.0 INVENTORY OF UNIVERSAL AND HAZARDOUS WASTES

5.1. INTRODUCTION

As part of the investigation, Matrix inspected each in-scope structure for evidence of other hazardous and/or regulated materials including (but not limited to) mercury (Hg) vapor fluorescent light bulbs, Hg containing equipment (MCE), lead-acid batteries, dry-chemical fire suppressants, PCB transformers, and stored/abandoned hazardous materials which will require proper waste manifesting, segregation, storage, and disposal to facilitate the demolition of the subject structures.

Materials and components identified during Matrix's investigation efforts have been provided in Table 4.

5.2. HAZARDOUS WASTES

Hazardous wastes are regulated at the federal level under the USEPA Resource Conservation and Recovery Act (RCRA), sited as 40 CFR Part 260. 40 CFR Part 261, *Identification and Listing of Hazardous Waste*, describes materials/chemicals which are prohibited from entering the general waste stream (Listed Wastes), hazardous characteristic wastes, and hazardous wastes from specific and non-specific sources.

Wastes which are considered hazardous require characterization through document review or through laboratory analysis to define hazardous characteristics which can be compared to the RCRA threshold limits. All wastes generated must be properly inventoried with corresponding waste manifest in accordance with the United States Department of Transportation (USDOT) requirements. Specific requirements for hazardous waste management are dependent on the volume and period of waste accumulation; the following describe the EPA waste generator designations:

- *Very Small Quantity Generator (VSQG):*
  - <1,000 Kg of hazardous waste at any time

- *Small Quantity Generator (SQG):*
  - May accumulate waste on-site for up to 180 days
  - <6,000 Kg of waste at any time
  - Comply with preparedness and emergency prevention requirements
  - Designated person who acts as hazardous waste coordinator

- *Large Quantity Generator (LQG):*
  - May accumulate waste (no limited) on-site for up to 90 days
  - Comply with preparedness and emergency prevention requirements
  - Designated person who acts as hazardous waste coordinator
  - Provide the EPA with biennial hazardous waste report

Hazardous wastes are further regulated at the state level by the New York State Department of Environmental Conservation (NYSDEC) under 6 New York Codes, Rules, and Regulations (NYCRR) Part 262, *Standards Applicable to Generators of Hazardous Waste.*

5.3. UNIVERSAL WASTES

Universal wastes refer to those materials/components which may be exempt from traditional hazardous waste manifesting, storage, and disposal requirements (per RCRA) under prescribed conditions. Universal wastes are regulated at the federal level under the USEPA *Standards for Universal Waste Management*, sited as 40 CFR Part 273. Specifically, the following materials may utilize these exemptions if sent for reclamation (recycled):

- Batteries (including lead acid);
- Pesticides;
- MCE (thermostats, thermometers, etc.); and
- Hg Lamps.

Note; these exemptions do not apply to the materials listed above under all circumstances. Each component should be compared to the applicability of the federal code prior to transport off site. Further, refer to the NYSDEC regulation for generators of universal wastes (6 NYRCC 374) for additional handling, transport, and disposal requirements.

5.4. OTHER REGULATED WASTES

PCB containing materials, their composition, and applications have been discussed in Section 5.0. Unlike traditional hazardous wastes, PCBs are regulated under the USEPA TSCA. For the purposes of this investigation, and in accordance with the TSCA, any component which is suspected of containing dielectric fluid which is presumed to have been manufactured prior to 1979.

6.0 INDOOR MICROBIAL AND BIOLOGICAL ASSESSMENT

6.1. INTRODUCTION

As part of the overall hazardous materials investigation, the Matrix team performed a (limited) indoor environmental assessment targeted at identifying atypical indoor microbial and/or biological site conditions which may impact overall project progression. Specifically, Matrix provided a NYSDOL certified Mold Assessor to perform a general assessment for the presence of visible mold growth and water activity (a_w) within the subject site; in order to identify those areas where it is visually apparent.

The investigation was conducted by Mr. Mikulas Ceselka (NYSDOL Certificate (#23-6TI89-SHMO) and included a physical inspection of various areas to identify indications of moisture content/damage including, but not limited to, surface condensation, water staining, peeling paint, water damaged building materials, visible mold growth, and other potentially hazardous biological conditions. The visual assessment delineated the approximate limits of the moisture damage found in each area, the types of building materials involved, and a supposition of infiltration sources.

As the work of this contract includes the overall restoration and renovation of the site, and is not limited to microbial remediation, it is understood that the controls (engineering, personal protective equipment, etc.) as described in the NYS Article 32 *Licensing of Mold Inspection, Assessment, and Remediation Specialists and Minimum Work Standards* do not apply.

6.2. INVESTIGATION METHODOLOGIES AND ANALYSIS METHODS

The Matrix field team utilized a combination of direct-read, sample collection (laboratory analysis), olfactory, and professional observations for the purposes of identifying atypical indoor microbial conditions. Moisture readings of affected building materials were collected utilizing a *Protimeter Surveymaster* handheld pin-probe moisture meter. The moisture meter was calibrated at the beginning and end of the investigation and compared to the manufacturer's standard for the device (±1.0). The device was used in "Search Mode," alleviating the need to account for substrate correction factors (timber species, etc.).

Additionally, Matrix collected interior and exterior IAQ air and direct examination samples for laboratory analysis submission. IAQ sampling was accomplished utilizing an inertial impaction collection method (Buck Pump with Air-O-Cell IAQ cassette) to identify mold genus type and total fungi count. Sampling was performed at strategic locations to gain a representation of the indoor environment. Samples were submitted to EMSL analytical, Inc. (ELAP No. 100194) for optical microscopy analysis.

At the current time, occupational exposure guidelines or limits for mold such as United States Occupational Safety and Health Administration (OSHA) Permissible Exposure Limits (PELs) and ACGIH Threshold Limit Values (TLV) do not exist. However, the numerical guidelines in the article "*Assessment and Sampling Approaches for Indoor Microbiological Assessments*" by published in The Synergist (Clark, November 2001), can be helpful in interpreting fungal data. The article describes that air samples in public/commercial buildings with less than 2,500 total spores (or counts) per cubic meter of air (counts/m^3) is "typical" for the indoor environment. Further, the types and proportionality of fungal spores should be similar to those found outdoors. In summary, the ACGIH cites comparison of indoor and outdoor relationships as a common method for evaluating fungal spore data. For the purposes of this investigation, if indoor fungal concentrations are consistently higher than those outdoors, a reasonable supposition can be made that there is in indoor source. In addition, if the outdoor air is the only source of fungi, the types (genus and species) of fungi found inside a building should be similar in both quantity and diversity when compared to outdoor concentrations.

In a conditioned space in the absence of an indoor microbial source, the results of indoor air sampling for mold should remain less than outdoor concentrations, with the ratio of indoor to outdoor mold concentrations varying, depending on the remoteness to outdoor sources, weather, and other factors.

6.3. SUMMARY OF THE INDOOR ENVIRONMENT

During the investigation, several areas were observed to be affected by visible microbial growth and apparent water damage. Specifically, interior spaces which have undergone prolonged exposure to the active water infiltration have promoted microbial growth. Consistently higher total bioaerosol fungi counts

of *aspergillus/penicillium* and *Cladosporium* were determined to be present indoors when compared to the outdoor environment. The presence of *aspergillus/penicillium* and *Cladosporium* in the direct examination swabs further support the supposition of interior microbial sources. Most notably, the presence of *aspergillus/penicillium*, a known allergen causing the infection “aspergillus” in susceptible persons, and *Cladosporium,* a mold which thrives in moisture rich environments and utilizes many cellulose-based building materials as a food source. As the indoor environment is dynamic, and the interior spaces remain unconditioned, it is likely that the microbial growth will remain viable until construction.

A tabulated inventory of the IAQ samples and direct examination swab samples collected can be found in Tables 4 and 5, respectively.

7.0 SUMMARY OF INVESTIGATION

7.1. INTRODUCTION

Matrix's efforts have identified a variety of in-scope hazardous/regulated materials and microbial/biological site conditions which will require special handling/abatement and disposal to facilitate the work of this contract. The following Sections describe the results of the laboratory analysis, and professional observations associated with each of the in-scope structures.

7.1.1. FINDINGS OF ASBESTOS-CONTAINING MATERIALS

Several materials included in Matrix's sampling efforts were found to be ACM and have been tabulated in Table 2 of this report. These materials must be abated by a contractor licensed by the NYSDOL as an Asbestos Handler prior to the commencement of renovations. All work must be accomplished in accordance with 15 RCNY, Chapter 1.

School House:

- Exterior Window Glazing (HA-SH-05) – East Side Gable Window.

Brick Cottage:

- Corrugated Insulation (HA-06) – Basement Ceiling;
- Flue Packing (HA-10) – Boiler Room;
- Wallpaper (HA-12) – First and Second Floor;
- Corrugated Pipe Insulation (HA-13) – First Floor and Basement;
- 12"x12" Self-Stick (HA-15) – Second Floor;
- Remnant Fibrous Paper (HA-17) – Basement; and
- Rope to Gasket to Boiler (HA-27) – First Floor.

Coachman's House:

- Exterior Window Glazing (HA-CH-01) – East Side Gable Window.

Bedford House:

- 12"x12" Tan Vinyl Floor Tile (HA-BH-06) – Second Floor; and
- Corrugated Pipe Insulation (HA-BH-16-L1/L2) – Second Floor.

Materials which have been included as assumptions require further investigation and laboratory analysis prior to engagement. All sampling must be performed by a NYSDOL licensed firm by a NYCDEP CAI; with samples submitted to an ELAP accredited laboratory for analysis.

7.1.2. FINDINGS OF POLYCHLORINATED BIPHENYLS

The results of the PCB Caulk/sealant portion of the investigation are summarized in Section 4.0. A total of four (4) suspect PCB containing materials were collected and analyzed during Matrix's limited investigation. None of the caulking materials submitted for laboratory analysis were found to be above the established TSCA threshold for PCB Waste (50 ppm). No special handling or disposal methods relating to PCB waste are required for this project.

7.1.3. FINDINGS OF HAZARDOUS AND UNIVERSAL WASTES

Fluorescent light fixtures/bulbs, fire extinguishers, and electronic waste were identified during Matrix's investigation. These materials should be segregated and properly disposed/recycled prior to renovation activities that would likely disturb them. Inaccessible areas during the survey may contain additional hazardous materials and should be surveyed prior to upgrades.

A tabulated inventory of hazardous and universal wastes identified has been included in Table 4 of this report.

7.1.4. FINDINGS OF MICROBIAL AND BIOLOGICAL OBSERVATIONS

The visual microbial investigation identified indications of water activity and possible mold growth throughout the scope of work areas. These conditions were verified by the additional direct examination swabs and IAQ sample analysis. While this project is not anticipated to be strictly a mold remediation project; work associated with microbial remediation should be conducted in accordance with NYSDOL Licensing of Mold Inspection, Assessment and Remediation Specialists and Minimum Work Standards - Article 32 (Article 32).

TABLES

TABLE 1
SUMMARY OF ASBESTOS ANALYTICAL RESULTS
JOHN JAY HOMESTEAD STATE HISTORIC SITE
400 JAY STREET KATONAH NY
MATRIX NO. 23-0088

MATRIXNEWORLD
Engineering Progress

HA No.	Sample ID No.	Lab No.	Material Description	Sample Location	Analytical Results			
					PLM Friable	PLM-NOB	TEM	SOF-V
School House								
SH-01	SH-01-01-L1	042323554-0001	Wall Plaster (Scratch Coat)	First Floor	ND	NA	NA	NA
	SH-01-02-L1	042323554-0002			ND	NA	NA	NA
	SH-01-03-L1	042323554-0003		Attic Stairs	ND	NA	NA	NA
	SH-01-01-L2	042323554-0004	Wall Plaster (Finish Coat)	First Floor	ND	NA	NA	NA
	SH-01-01-L2-T	042323554-0004A	Texture		ND	NA	NA	NA
	SH-01-02-L2	042323554-0005	Wall Plaster (Finish Coat)		ND	NA	NA	NA
	SH-01-02-L2-T	042323554-0005A	Texture		ND	NA	NA	NA
	SH-01-03-L2	042323554-0006	Wall Plaster (Finish Coat)	Attic Stairs	ND	NA	NA	NA
	SH-01-03-L2-T	042323554-0006A	Texture		ND	NA	NA	NA
SH-02	SH-02-01-L1	042323554-0007	Ceiling Plaster (Scratch Coat)	First Floor	ND	NA	NA	NA
	SH-02-02-L1	042323554-0008			ND	NA	NA	NA
	SH-02-03-L1	042323554-0009			ND	NA	NA	NA
	SH-02-01-L2	042323554-0010	Ceiling Plaster (Finish Coat)		ND	NA	NA	NA
	SH-02-01-L2-T	042323554-0010A	Texture		ND	NA	NA	NA
	SH-02-02-L2	042323554-0011	Ceiling Plaster (Finish Coat)		ND	NA	NA	NA
	SH-02-02-L2-T	042323554-0011A	Texture		ND	NA	NA	NA
	SH-02-03-L2	042323554-0012	Ceiling Plaster (Finish Coat)		ND	NA	NA	NA

Notes:
HA - Homogeneous Area
PLM - Polarized Light Microscopy
TEM - Transmission Electron Microscopy
NOB - Non-Friable Organically Bound
NA - Not Applicable
ND - None Detected

TABLE 1
SUMMARY OF ASBESTOS ANALYTICAL RESULTS
JOHN JAY HOMESTEAD STATE HISTORIC SITE
400 JAY STREET KATONAH NY
MATRIX NO. 23-0088

MATRIXNEWORLD
Engineering Progress

HA No.	Sample ID No.	Lab No.	Material Description	Sample Location	Analytical Results			
					PLM Friable	PLM-NOB	TEM	SOF-V
SH-02	SH-02-03-L2T	042323554-0012A	Texture	First Floor	ND	NA	NA	NA
SH-03	SH-03-01	042323554-0013	Cementitious Repair	Attic Stairs	ND	NA	NA	NA
	SH-03-02	042323554-0014		Attic	ND	NA	NA	NA
	SH-03-03	042323554-0015			ND	NA	NA	NA
SH-04	SH-04-01	042323554-0016	Stone Rubble Mortar	Exterior A	ND	NA	NA	NA
	SH-04-02	042323554-0017		Exterior D	ND	NA	NA	NA
SH-05	**SH-05-01**	**042323554-0018**	**Exterior Window Glazing**	**East Side Gable Window**	**NA**	**ND**	**Positive Stop**	**NA**
	SH-05-02	**042323554-0019**			**NA**	**1.50% Chrysotile**	**Positive Stop**	**NA**
Brick Cottage								
01	01-01-L1	042323437-0001	Wall Plaster (Scratch Coat)	1st Floor Living Room Area	ND	NA	NA	NA
	01-02-L1	042323437-0002		1st Floor West Room by Fireplace	ND	NA	NA	NA
	01-03-L1	042323437-0003			ND	NA	NA	NA
	01-04-L1	042323437-0004		2nd Floor Bathroom East	ND	NA	NA	NA
	01-05-L1	042323437-0005		2nd Floor Bathroom West	ND	NA	NA	NA
	01-06-L1	042323437-0006			ND	NA	NA	NA
	01-07-L1	042323437-0007			ND	NA	NA	NA
	01-01-L2	042323437-0008	Wall Plaster (Finish Coat)	1st Floor Living Room Area	ND	NA	NA	NA
	01-02-L2	042323437-0009		1st Floor West Room by Fireplace	ND	NA	NA	NA

Notes:
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ND - None Detected

TABLE 1
SUMMARY OF ASBESTOS ANALYTICAL RESULTS
JOHN JAY HOMESTEAD STATE HISTORIC SITE
400 JAY STREET KATONAH NY
MATRIX NO. 23-0088

MATRIXNEWORLD
Engineering Progress

HA No.	Sample ID No.	Lab No.	Material Description	Sample Location	Analytical Results			
					PLM Friable	PLM-NOB	TEM	SOF-V
01	01-03-L2	042323437-0010	Wall Plaster (Finish Coat)	1st Floor West Room by Fireplace	ND	NA	NA	NA
	01-04-L2	042323437-0011		2nd Floor Bathroom East	ND	NA	NA	NA
	01-05-L2	042323437-0012		2nd Floor Bathroom West	ND	NA	NA	NA
	01-06-L2	042323437-0013			ND	NA	NA	NA
	01-07-L2	042323437-0014			ND	NA	NA	NA
02	02-01-L1	042323437-0015	Ceiling Plaster (Scratch Coat)	1st Floor Living Room Area	ND	NA	NA	NA
	02-02-L1	042323437-0016		1st Floor West Room by Fireplace	ND	NA	NA	NA
	02-03-L1	042323437-0017			ND	NA	NA	NA
	02-04-L1	042323437-0018		2nd Floor Bathroom East	ND	NA	NA	NA
	02-05-L1	042323437-0019		2nd Floor Bathroom West	ND	NA	NA	NA
	02-06-L1	042323437-0020			ND	NA	NA	NA
	02-07-L1	042323437-0021			ND	NA	NA	NA
	02-01-L2	042323437-0022	Ceiling Plaster (Finish Coat)	1st Floor Living Room Area	ND	NA	NA	NA
	02-02-L2	042323437-0023		1st Floor West Room by Fireplace	ND	NA	NA	NA
	02-03-L2	042323437-0024		1st Floor West Room by Fireplace	ND	NA	NA	NA
	02-04-L2	042323437-0025		2nd Floor Bathroom East	ND	NA	NA	NA
	02-05-L2	042323437-0026		2nd Floor Bathroom West	ND	NA	NA	NA
	02-06-L2	042323437-0027		2nd Floor Bathroom West	ND	NA	NA	NA

Notes:
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ND - None Detected

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400 JAY STREET KATONAH NY
MATRIX NO. 23-0088

MATRIXNEWORLD
Engineering Progress

HA No.	Sample ID No.	Lab No.	Material Description	Sample Location	Analytical Results			
					PLM Friable	PLM-NOB	TEM	SOF-V
02	02-07-L2	042323437-0028	Ceiling Plaster (Finish Coat)	2nd Floor Bathroom West	ND	NA	NA	NA
03	03-01	042323437-0029	Exterior Window Glazing	Exterior Façade South	NA	ND	<1% Anthophyllite	NA
	03-02	042323437-0030		Exterior Façade North	NA	ND	<1% Anthophyllite	NA
04	04-01	042323437-0031	Wall Vapor Barrier	1st Floor North Area Entrance	NA	ND	ND	NA
	04-02	042323437-0032			NA	ND	ND	NA
05	05-01-L1	042323437-0033	Brown Paper Wall Insulation	1st Floor North Area Entrance	ND	NA	NA	NA
	05-02-L1	042323437-0034			ND	NA	NA	NA
	05-03-L1	042323437-0035			ND	NA	NA	NA
	05-01-L2	042323437-0036	Metallic Paper Wall Insulation		ND	NA	NA	NA
	05-01-L2-Mastic	042323437-0036A	Mastic		NA	ND	ND	NA
	05-02-L2	042323437-0037	Metallic Paper Wall Insulation		ND	NA	NA	NA
	05-02-L2-Mastic	042323437-0037A	Mastic		NA	ND	ND	NA
	05-03-L2	042323437-0038	Metallic Paper Wall Insulation		ND	NA	NA	NA
	05-03-L2-Mastic	042323437-0038A	Mastic		NA	ND	ND	NA
06	**06-01**	**042323437-0039**	**Corrugated Insulation**	**Basement Ceiling**	**31.00% Chrysotile**	**NA**	**NA**	**NA**
	06-02	**042323437-0040**			**Positive Stop**	**NA**	**NA**	**NA**
	06-03	**042323437-0041**			**Positive Stop**	**NA**	**NA**	**NA**
07	07-01	042323557-0001	Rubble Wall Mortar	First Floor	ND	NA	NA	NA

Notes:
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NOB - Non-Friable Organically Bound
NA - Not Applicable
ND - None Detected

TABLE 1
SUMMARY OF ASBESTOS ANALYTICAL RESULTS
JOHN JAY HOMESTEAD STATE HISTORIC SITE
400 JAY STREET KATONAH NY
MATRIX NO. 23-0088

MATRIXNEWORLD
Engineering Progress

HA No.	Sample ID No.	Lab No.	Material Description	Sample Location	Analytical Results			
					PLM Friable	PLM-NOB	TEM	SOF-V
07	07-02	042323557-0002	Rubble Wall Mortar	First Floor	ND	NA	NA	NA
08	08-01	042323557-0003	Brick Mortar	First Floor	ND	NA	NA	NA
	08-02	042323557-0004		Second Floor	ND	NA	NA	NA
09	09-01	042323557-0005	White Paper Wall Insulation	First Floor	ND	NA	NA	NA
	09-02	042323557-0006			ND	NA	NA	NA
	09-03	042323557-0007			ND	NA	NA	NA
10	**10-01**	**042323557-0008**	**Flue Packing**	**Boiler Room**	**50.00% Chrysotile**	**NA**	**NA**	**NA**
	10-02	**042323557-0009**			**Positive Stop**	**NA**	**NA**	**NA**
11	11-01	042323557-0011	Linoleum	First Floor	NA	ND	ND	NA
	11-02	042323557-0012			NA	ND	ND	NA
12	**12-01**	**042323557-0013**	**Wallpaper**	**First Floor**	**NA**	**ND**	**1.20% Anthophyllite**	**NA**
	12-02	**042323557-0014**		**Second Floor**	**NA**	**ND**	**Positive Stop**	**NA**
13	**13-01**	**042323557-0015**	**Corrugated Pipe Insulation**	**First Floor**	**50.00% Chrysotile**	**NA**	**NA**	**NA**
	13-02	**042323557-0016**		**Basement**	**Positive Stop**	**NA**	**NA**	**NA**
	13-03	**042323557-0017**			**Positive Stop**	**NA**	**NA**	**NA**
14	14-01	042323557-0018	Waterproofing Membrane	First Floor	NA	ND	ND	NA
	14-02	042323557-0019			NA	ND	ND	NA
15	**15-01-Floor Tile**	**042323557-0020**	**12"x12 Self Stick**	**Second Floor**	**NA**	**3.80% Chrysotile**	**Positive Stop**	**NA**

Notes:
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NOB - Non-Friable Organically Bound
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ND - None Detected

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JOHN JAY HOMESTEAD STATE HISTORIC SITE
400 JAY STREET KATONAH NY
MATRIX NO. 23-0088

MATRIXNEWORLD
Engineering Progress

HA No.	Sample ID No.	Lab No.	Material Description	Sample Location	Analytical Results			
					PLM Friable	PLM-NOB	TEM	SOF-V
15	**15-01-Mastic**	**042323557-0020A**	**Associated Mastic**	**Second Floor**	**NA**	**<1% Chrysotile**	**<1% Chrysotile**	**NA**
	15-02-Floor Tile	**042323557-0021**	**12"x12 Self Stick**		**NA**	**Positive Stop**	**Positive Stop**	**NA**
	15-02-Mastic	**042323557-0021A**	**Associated Mastic**		**NA**	**<1% Chrysotile**	**<1% Chrysotile**	**NA**
16	16-01	042323557-0022	Remnant Tar Paper	Basement	NA	<1% Chrysotile	<1% Chrysotile	NA
	16-02	042323557-0023			NA	<1% Chrysotile	<1% Chrysotile	NA
17	**17-01**	**042323557-0024**	**Remnant Fibrous Paper**	**Basement**	**57.00% Chrysotile**	**NA**	**NA**	**NA**
	17-02	**042323557-0025**			**Positive Stop**	**NA**	**NA**	**NA**
	17-03	**042323557-0026**			**Positive Stop**	**NA**	**NA**	**NA**
18	18-01	032400331-0044	Dishware Print Wallpaper	Room #5	NA	ND	ND	NA
	18-02	032400331-0045			NA	ND	ND	NA
19	19-01	032400331-0044	(green) & (white) Striped Wallpaper	2nd Floor Main Stair Landing	NA	ND	ND	NA
	19-02	032400331-0045			NA	ND	ND	NA
20	20-01	032400331-0046	(white) Wallpaper	Room #11	NA	ND	<1% Anthophyllite	NA
	20-02	032400331-0047		Room #09	NA	ND	<1% Anthophyllite	NA
21	21-01	032400331-0048	Flower Print Wallpaper	Room #13	NA	ND	ND	NA
	21-02	032400331-0049			NA	ND	ND	NA
22	22-01	032400331-0050	Pink Flower Print Wallpaper	Room #12	NA	ND	ND	NA
	22-02	032400331-0051			NA	ND	ND	NA

Notes:
HA - Homogeneous Area
PLM - Polarized Light Microscopy
TEM - Transmission Electron Microscopy
NOB - Non-Friable Organically Bound
NA - Not Applicable
ND - None Detected

TABLE 1
SUMMARY OF ASBESTOS ANALYTICAL RESULTS
JOHN JAY HOMESTEAD STATE HISTORIC SITE
400 JAY STREET KATONAH NY
MATRIX NO. 23-0088

MATRIXNEWORLD
Engineering Progress

HA No.	Sample ID No.	Lab No.	Material Description	Sample Location	Analytical Results			
					PLM Friable	PLM-NOB	TEM	SOF-V
23	23-01	032400331-0052	(white) & (yellow) Stripe Wallpaper	Room #12	NA	ND	ND	NA
	23-02	032400331-0053			NA	ND	ND	NA
24	24-01	032400331-0054	Strawberry Wallpaper	Room #09	NA	ND	ND	NA
	24-02	032400331-0055			NA	ND	ND	NA
25	25-01	032400331-0056	(blue) Leaf Patterned Wallpaper	Intermediate Space	NA	ND	<1% Anthophyllite	NA
	25-02	032400331-0057			NA	ND	<1% Anthophyllite	NA
26	26-01	032400331-0058	(gray) Linoleum	Intermediate Space	NA	ND	ND	NA
	26-02	032400331-0059			NA	ND	ND	NA
27	**27-01**	**032400331-0060**	**Rope Gasket to Boiler**	**First Floor**	**40% Chrysotile**	**NA**	**NA**	**NA**
	27-02	**032400331-0061**			**Positive Stop**	**NA**	**NA**	**NA**
	27-03	**032400331-0062**			**Positive Stop**	**NA**	**NA**	**NA**
28	28-01	032400331-0063	Boiler Inner Box	First Floor	ND	NA	NA	NA
	28-02	032400331-0064			ND	NA	NA	NA
	28-03	032400331-0065			ND	NA	NA	NA
29	29-01	032400331-0066	Braided Wire Insulation	First Floor	NA	ND	ND	NA
	29-02	032400331-0067		Second Floor	NA	ND	ND	NA
Coachman's House								
CH-01	**CH-01-01**	**042323553-0001**	**Exterior Window Glazing**	**East Side Gable Window**	**NA**	**ND**	**1.50% Anthophyllite**	**NA**

Notes:
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TABLE 1
SUMMARY OF ASBESTOS ANALYTICAL RESULTS
JOHN JAY HOMESTEAD STATE HISTORIC SITE
400 JAY STREET KATONAH NY
MATRIX NO. 23-0088

MATRIXNEWORLD
Engineering Progress

HA No.	Sample ID No.	Lab No.	Material Description	Sample Location	Analytical Results			
					PLM Friable	PLM-NOB	TEM	SOF-V
CH-01	**CH-01-02**	**042323553-0002**	**Exterior Window Glazing**	**East Side Gable Window**	**NA**	**ND**	**1.40% Anthophyllite**	**NA**
CH-02	CH-02-01	032400331-0041	All Service Jacket to Fiberglass Pipe Insulation	Basement	ND	NA	NA	NA
	CH-02-02	032400331-0042			ND	NA	NA	NA
	CH-02-03	032400331-0043			ND	NA	NA	NA
Bedford House								
BH-01	BH-01-01-L1	042323555-0001	Wall Plaster (Scratch Coat)	First Floor	ND	NA	NA	NA
	BH-01-02-L1	042323555-0002			ND	NA	NA	NA
	BH-01-03-L1	042323555-0003			ND	NA	NA	NA
	BH-01-04-L1	042323555-0004		Second Floor	ND	NA	NA	NA
	BH-01-05-L1	042323555-0005			ND	NA	NA	NA
	BH-01-06-L1	042323555-0006			ND	NA	NA	NA
	BH-01-07-L1	042323555-0007		Third Floor	ND	NA	NA	NA
	BH-01-01-L2	042323555-0008	Wall Plaster (Finish Coat)	First Floor	ND	NA	NA	NA
	BH-01-02-L2	042323555-0009			ND	NA	NA	NA
	BH-01-03-L2	042323555-0010			ND	NA	NA	NA
	BH-01-04-L2	042323555-0011		Second Floor	ND	NA	NA	NA
	BH-01-05-L2	042323555-0012			ND	NA	NA	NA
	BH-01-06-L2	042323555-0013			ND	NA	NA	NA

Notes:
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TEM - Transmission Electron Microscopy
NOB - Non-Friable Organically Bound
NA - Not Applicable
ND - None Detected

TABLE 1
SUMMARY OF ASBESTOS ANALYTICAL RESULTS
JOHN JAY HOMESTEAD STATE HISTORIC SITE
400 JAY STREET KATONAH NY
MATRIX NO. 23-0088

MATRIXNEWORLD
Engineering Progress

HA No.	Sample ID No.	Lab No.	Material Description	Sample Location	Analytical Results			
					PLM Friable	PLM-NOB	TEM	SOF-V
BH-01	BH-01-07-L2	042323555-0014	Wall Plaster (Finish Coat)	Third Floor	ND	NA	NA	NA
BH-02	BH-02-01-L1	042323555-0015	Ceiling Plaster (Scratch Coat)	First Floor	ND	NA	NA	NA
	BH-02-02-L1	042323555-0016			ND	NA	NA	NA
	BH-02-03-L1	042323555-0017			ND	NA	NA	NA
	BH-02-04-L1	042323555-0018		Second Floor	ND	NA	NA	NA
	BH-02-05-L1	042323555-0019			ND	NA	NA	NA
	BH-02-06-L1	042323555-0020			ND	NA	NA	NA
	BH-02-07-L1	042323555-0021		Third Floor	ND	NA	NA	NA
	BH-02-01-L2	042323555-0022	Ceiling Plaster (Finish Coat)	First Floor	ND	NA	NA	NA
	BH-02-02-L2	042323555-0023			ND	NA	NA	NA
	BH-02-03-L2	042323555-0024			ND	NA	NA	NA
	BH-02-04-L2	042323555-0025		Second Floor	ND	NA	NA	NA
	BH-02-05-L2	042323555-0026			ND	NA	NA	NA
	BH-02-06-L2	042323555-0027			ND	NA	NA	NA
	BH-02-07-L2	042323555-0028		Third Floor	ND	NA	NA	NA
BH-03	BH-03-01-L1	042323555-0029	Mudded Joint Insulation	Third Floor Hall	ND	NA	NA	NA
	BH-03-02-L1	042323555-0030			ND	NA	NA	NA
	BH-03-03-L1	042323555-0031			ND	NA	NA	NA

Notes:
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NOB - Non-Friable Organically Bound
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TABLE 1
SUMMARY OF ASBESTOS ANALYTICAL RESULTS
JOHN JAY HOMESTEAD STATE HISTORIC SITE
400 JAY STREET KATONAH NY
MATRIX NO. 23-0088

MATRIXNEWORLD
Engineering Progress

HA No.	Sample ID No.	Lab No.	Material Description	Sample Location	Analytical Results			
					PLM Friable	PLM-NOB	TEM	SOF-V
BH-03	BH-03-01-L2	042323555-0032	Associated Jacket	Third Floor Hall	ND	NA	NA	NA
	BH-03-02-L2	042323555-0033			ND	NA	NA	NA
	BH-03-03-L2	042323555-0034			ND	NA	NA	NA
BH-04	BH-04-01	042323555-0035	All Service Jacket to Fiberglass Pipe Insulation	Third Floor Hall	ND	NA	NA	NA
	BH-04-02	042323555-0036			ND	NA	NA	NA
	BH-04-03	042323555-0037			ND	NA	NA	NA
BH-05	BH-05-01	042323555-0038	Exterior Window Glazing	Exterior	NA	ND	<1% Anthophyllite	NA
	BH-05-02	042323555-0039			NA	ND	<1% Anthophyllite	NA
BH-06	**BH-06M-01**	**042323555-0040**	**Black Mastic**	**Second Floor**	**NA**	**ND**	**<1% Chrysotile**	**NA**
	BH-06M-02	**042323555-0041**			**NA**	**ND**	**<1% Chrysotile**	**NA**
	BH-06-01	**042323555-0042**	**12"x12" Tan Vinyl Floor Tile**		**NA**	**ND**	**1.80% Chrysotile**	**NA**
	BH-06-02	**042323555-0043**			**NA**	**ND**	**Positive Stop**	**NA**
BH-07	BH-07-01	032400331-0001	Skim Coat to Rubble Wall	Basement Room B18	ND	NA	NA	NA
	BH-07-02	032400331-0002		Basement Room B17	ND	NA	NA	NA
	BH-07-03	032400331-0003		Basement Room B16	ND	NA	NA	NA
BH-08	BH-08-01	032400331-0004	Rubble Wall Mortar	Basement Room B17	ND	NA	NA	NA
	BH-08-02	032400331-0005		Basement Room B16	ND	NA	NA	NA
BH-09	BH-09G-01	032400331-0006	Ceramic Chimney Tile Grout	1st Floor Room B102	ND	NA	NA	NA

Notes:
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TABLE 1
SUMMARY OF ASBESTOS ANALYTICAL RESULTS
JOHN JAY HOMESTEAD STATE HISTORIC SITE
400 JAY STREET KATONAH NY
MATRIX NO. 23-0088

MATRIXNEWORLD
Engineering Progress

HA No.	Sample ID No.	Lab No.	Material Description	Sample Location	Analytical Results			
					PLM Friable	PLM-NOB	TEM	SOF-V
BH-09	BH-09G-02	032400331-0007	Ceramic Chimney Tile Grout	1st Floor Room B102	ND	NA	NA	NA
	BH-09M-01	032400331-0008	Ceramic Chimney Tile Mortar	1st Floor Room B102	ND	NA	NA	NA
	BH-09M-02	032400331-0009			ND	NA	NA	NA
BH-10	BH-10-01	032400331-0010	(green) Fern Patterned Wallpaper	1st Floor Room B102	NA	ND	ND	NA
	BH-10-02	032400331-0011			NA	ND	ND	NA
BH-11	BH-11G-01	032400331-0012	Ceramic Chimney Tile Grout	1st Floor Room B104	ND	NA	NA	NA
	BH-11G-02	032400331-0013			ND	NA	NA	NA
	BH-11M-01	032400331-0014	Ceramic Chimney Tile Mortar		ND	NA	NA	NA
	BH-11M-02	032400331-0015			ND	NA	NA	NA
BH-12	BH-12-01	032400331-0016	(brown) Grape Leaf Patterned Wall Paper	1st Floor Room B104	NA	ND	ND	NA
	BH-12-02	032400331-0017			NA	ND	ND	NA
BH-13	BH-13-01	032400331-0018	(black & gold) Leaf Patterned Wallpaper	1st Floor Room B105	NA	ND	ND	NA
	BH-13-02	032400331-0019		1st Floor Room B105A	NA	ND	ND	NA
BH-14	BH-14-01	032400331-0020	(tan) Leaf Patterned Wallpaper	1st Floor Room B106	NA	ND	ND	NA
	BH-14-02	032400331-0021			NA	ND	ND	NA
BH-15	BH-15-01	032400331-0022	(blue) Flower Pot Wallpaper	1st Floor Room B204	NA	ND	ND	NA
	BH-15-02	032400331-0023			NA	ND	ND	NA
BH-16	**BH-16-01-L1**	**032400331-0024**	**Corrugated Pipe Insulation**	**1st Floor Room B17**	**50% Chrysotile**	**NA**	**NA**	**NA**

Notes:
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ND - None Detected

TABLE 1
SUMMARY OF ASBESTOS ANALYTICAL RESULTS
JOHN JAY HOMESTEAD STATE HISTORIC SITE
400 JAY STREET KATONAH NY
MATRIX NO. 23-0088

MATRIXNEWORLD
Engineering Progress

HA No.	Sample ID No.	Lab No.	Material Description	Sample Location	Analytical Results			
					PLM Friable	PLM-NOB	TEM	SOF-V
BH-16	**BH-16-02-L1**	**032400331-0025**	**Corrugated Pipe Insulation**	**1st Floor Room B17**	**Positive Stop**	**NA**	**NA**	**NA**
	BH-16-03-L1	**032400331-0026**			**Positive Stop**	**NA**	**NA**	**NA**
	BH-16-01-L2	**032400331-0027**	**Associated Jacket**		**40% Chrysotile**	**NA**	**NA**	**NA**
	BH-16-02-L2	**032400331-0028**			**Positive Stop**	**NA**	**NA**	**NA**
	BH-16-03-L2	**032400331-0029**			**Positive Stop**	**NA**	**NA**	**NA**
BH-17	BH-17-01	032400331-0030	Chimney Liner	1st Floor Room B16	ND	NA	NA	NA
	BH-17-02	032400331-0031			ND	NA	NA	NA
	BH-17-03	032400331-0032			ND	NA	NA	NA
BH-18	BH-18-01	032400331-0033	Carpet Glue	1st Floor Room B128	NA	ND	ND	NA
	BH-18-02	032400331-0034			NA	ND	ND	NA
BH-19	BH-19-01	032400331-0035	12"x12" Tan Vinyl Floor Tile & Mastic	1st Floor Room B115	NA	ND	ND	NA
	BH-19-01-Mastic	032400331-0035A			NA	ND	ND	NA
	BH-19-02	032400331-0036			NA	ND	ND	NA
	BH-19-02-Mastic	032400331-0036A			NA	ND	ND	NA
BH-20	BH-20-01-L1	032400331-0037	Main Roof Composite (mesh)	Main Roof	NA	ND	ND	NA
	BH-20-02-L1	032400331-0038			NA	ND	ND	NA
	BH-20-01-L2	032400331-0039	Main Roof Composite (membrane)		NA	ND	ND	NA
	BH-20-02-L2	032400331-0040			NA	ND	ND	NA

Notes:
HA - Homogeneous Area
PLM - Polarized Light Microscopy
TEM - Transmission Electron Microscopy
NOB - Non-Friable Organically Bound
NA - Not Applicable
ND - None Detected

TABLE 2
SUMMARY OF ASBESTOS-CONTAINING MATERIALS
JOHN JAY HOMESTEAD STATE HISTORIC SITE
400 JAY STREET KATONAH NY
MATRIX NO. 23-0088

MATRIXNEWORLD
Engineering Progress

HA No.	Material Description	Material Location(s)	Details		Estimated Quantity		Additional Notes
			Friability	Condition	Quantity	Units	
Materials Identified as ACM by Matrix							
School House							
SH-05	Exterior Window Glazing	Throughout School House	NF	D	29	SF	Seven total window units.
Brick Cottage							
HA-06	Corrugated Insulation	Basement	F	SD	2	LF	Additional material is likely concealed in wall cavities.
HA-10	Flue Packing	First Floor - Boiler Room	F	D	2	SF	
HA-12	Wall Paper	Front Entrance Hallway	F	D	209	SF	Multiple layers of wall paper in some instances.
HA-13	Corrugated Pipe Insulation	First Floor Room #1	F	SD	15	LF	Material was found on the floor - additional material is likely concealed in wall cavities and spread throughout the interior of the first floor north area. Floor debris is considered ACM contaminated.
HA-15	12"x12" Self-Stick	Second Floor Room #7	NF	SD	20	SF	Mastic is a trace material.
HA-17	Remnant Fibrous Paper	Basement	F	SD	20	LF	
HA-27	Rope Gasket to Boiler	First Floor - Boiler Room	F	G	4	LF	
Coachman's House							
CH-01	Window Glazing	Windows Throughout	NF	D	50	SF	Glazing is only present on the exterior side of the windows. Fifteen total window units.
Bedford House							
BH-06	12"x12" Tan Vinyl Floor Tile	Second Floor Bathroom	NF	G	160	SF	Present in the single occupant bathrooms. Mastic is a trace material.
BH-16	Corrugated Pipe Insulation and Associated Jacket	B-17	F	SD	1	LF	Additional material is likely concealed in wall cavities and crawl spaces throughout the building.
Materials Assumed to be ACM by Matrix							
School House							
--	Refractory Brick to Chimney	First Floor	F	G	100	SF	Believed to be out of scope.
--	Multi-Layer Roofing Composite	Exterior	NF	G	550	SF	Destructive sampling required - believed to be out of scope.

Notes:
F - Friable
NF - Non Friable
LF - Linear Feet
SF - Square Feet

G - Good
D - Damaged
SD - Significantly Damaged

TABLE 2
SUMMARY OF ASBESTOS-CONTAINING MATERIALS
JOHN JAY HOMESTEAD STATE HISTORIC SITE
400 JAY STREET KATONAH NY
MATRIX NO. 23-0088

MATRIXNEWORLD
Engineering Progress

HA No.	Material Description	Material Location(s)	Details		Estimated Quantity		Additional Notes
			Friability	Condition	Quantity	Units	
Brick Cottage							
--	Subgrade Waterproofing Tar	Basement	NF	G	100	SF	Destructive sampling required - assumed to be present.
--	Fire Place Components	First and Second Floors	F	G	300	SF	Destructive sampling required.
--	Multi-Layer Roofing Composite	Exterior	NF	G	2000	SF	Destructive sampling required.
--	Vapor Barrier Beneath Metal Siding	Exterior	NF	G	300	SF	Destructive sampling required.
--	Chimney Components	Exterior	NF	G	200	SF	Destructive sampling required.
Coachman's House							
--	Linoleum Flooring	First Floor Kitchen	NF	G	--	SF	Believed to be out of scope.
--	Multi-Layer Wall Plaster	First Floor	F	G	--	SF	Believed to be out of scope.
--	Wall Panel Glue	First Floor	NF	--	--	SF	Destructive sampling required - assumed to be present.
--	Multi-Layer Ceiling Plaster	First Floor	F	G	--	SF	Believed to be out of scope.
--	Boiler Components	Basement	F	G	40	SF	Destructive sampling required.
--	Braided Wire Insulation	Throughout	F	G	--	LF	Live Electrical.
Bedford House							
--	Subgrade Waterproofing Tar	Basement	NF	G	235	SF	Destructive sampling required - assumed to be present.
--	Pipe Insulation	Crawl Spaces / Pipe Chases / Wet Walls	NF	G	290	LF	Destructive sampling / confined space entry required - assumed to be present.
--	Grey Sealant to HVAC Ducts	Third Floor Area	NF	G	--	LF	Believed to be out of scope.
--	Boiler Components	Basement	F	--	40	SF	Destructive sampling required - assumed to be present.
--	Braided Wire Insulation	Throughout	F	--	700	LF	Live Electrical.
--	Exterior Vapor Barrier	Exterior Elevations	F	--	6000	SF	Destructive sampling required - assumed to be present.

Notes:
F - Friable
NF - Non Friable
LF - Linear Feet
SF - Square Feet

G - Good
D - Damaged
SD - Significantly Damaged

TABLE 2
SUMMARY OF ASBESTOS-CONTAINING MATERIALS
JOHN JAY HOMESTEAD STATE HISTORIC SITE
400 JAY STREET KATONAH NY
MATRIX NO. 23-0088

MATRIXNEWORLD
Engineering Progress

HA No.	Material Description	Material Location(s)	Details		Estimated Quantity		Additional Notes
			Friability	Condition	Quantity	Units	
--	Flashing to Skylight	Roof	NF	D	24	SF	Destructive sampling required.
--	Chimney Components	Roof	F	G	9	Units	Destructive sampling required - approximately 400 SF.
--	Multi-Layer Roofing Composite	Roof	NF	G	360	SF	Destructive sampling required.

Notes:
F - Friable
NF - Non Friable
LF - Linear Feet
SF - Square Feet

G - Good
D - Damaged
SD - Significantly Damaged

TABLE 3
SUMMARY OF UNIVERSAL AND HAZARDOUS WASTES
JOHN JAY HOMESTEAD STATE HISTORIC SITE
400 JAY STREET KATONAH NY
MATRIX NO. 23-0088

MATRIXNEWORLD
Engineering Progress

Line Item	Description	Location	Estimated Quantity		Notes
			Quantity	Unit	
1	Electronic Waste	School House First Floor	1	Unit	Smoke Detector
2	Assumed PCB Light Ballast	Brick Cottage - First Floor	1	Unit	Assumed to contain PCBs
3	Mercury Containing Thermostat	Brick Cottage - First Floor	1	Unit	Contains Mercury
4	4" Florescent Light Bulbs	Coachman's House First Floor	2	Units	Assumed to contain mercury vapors
5	Light Ballast	Coachman's House First Floor	1	Unit	Assumed to contain PCBs
6	4" Florescent Light Bulbs	Bedford House	26	Units	Assumed to contain mercury vapors
7	Light Ballast	Bedford House	13	Units	Assumed to contain PCBs
8	Fire Extinguisher	Bedford House	2	Units	Believed to be out of scope

Notes:
Materials which could not be characterized in the field may require analysis prior to disposal.
Consult the USDOT *Z Table* for additional information.
RCRA/USDOT HAZMAT exemptions may apply.

TABLE 4
SUMMARY OF INDOOR AIR QUALITY ANALYSIS
JOHN JAY HOMESTEAD STATE HISTORIC SITE
400 JAY STREET KATONAH NY
MATRIX NO. 23-0088

MATRIXNEWORLD
Engineering Progress

Matrix Sample Number	A-01	A-02	A-03	A-04	A-05
Sample Location	Brick Cottage - First Floor Hallway	Exterior Center	Coachman's House Hallway	School House - Center	Bedford House - Great Hall
Sample Date	9/28/2023	9/28/2023	9/28/2023	9/28/2023	9/28/2023
Lab Sample Number	372315610-0001	372315610-0002	372315610-0003	372315610-0004	372315610-0005
Alternaria (Ulocladium)	40	-	-	-	-
Ascospores	610	1000	40	100	40
Aspergillus/Penicillium	6590	100	700	1600	3700
Basidiospores	3400	16300	1800	7810	1400
Bipolaris ++	-	-	-	-	-
Chaetomium ++	90	-	-	-	-
Cladosporium	1200	440	90	300	400
Curvularia	-	-	-	-	-
Epicoccum	90	-	40	-	-
Fusarium ++	-	40	-	-	-
Ganoderma	40	200	-	200	-
Myxomycetes ++	-	-	100	660	40
Pithomyces ++	40	-	-	10*	10*
Rust	-	-	-	-	10*
Scopulariopsis / Microascus	100	-	-	-	-
Stachybotrys / Memnoniella	-	-	40	-	-
Unidentifiable Spores	-	-	-	-	-
Zygomycetes	-	-	-	-	-
Pestalotia ++	40	-	-	-	-
Torula ++		-	-	-	40
Total Fungi	12240	18080	2810	10680	5640
Hyphal Fragment	300	10*	40	40	90
Insect Fragment	200	-	40	-	40
Pollen	40	-	-	90	-
Other					
Analyt. Sensitivity 600x	44	44	44	44	44
Analyt. Sensitivity 300x	13*	13*	13*	13*	13*
Skin Fragments (1-4)	1	1	2	2	1
Fibrous Particulate (1-4)	2	1	1	1	1
Background (1-5)	4	1	3	2	3

Notes:
++ Includes other spores with similar morphology; see EMSL's fungal glossary for each specific category.

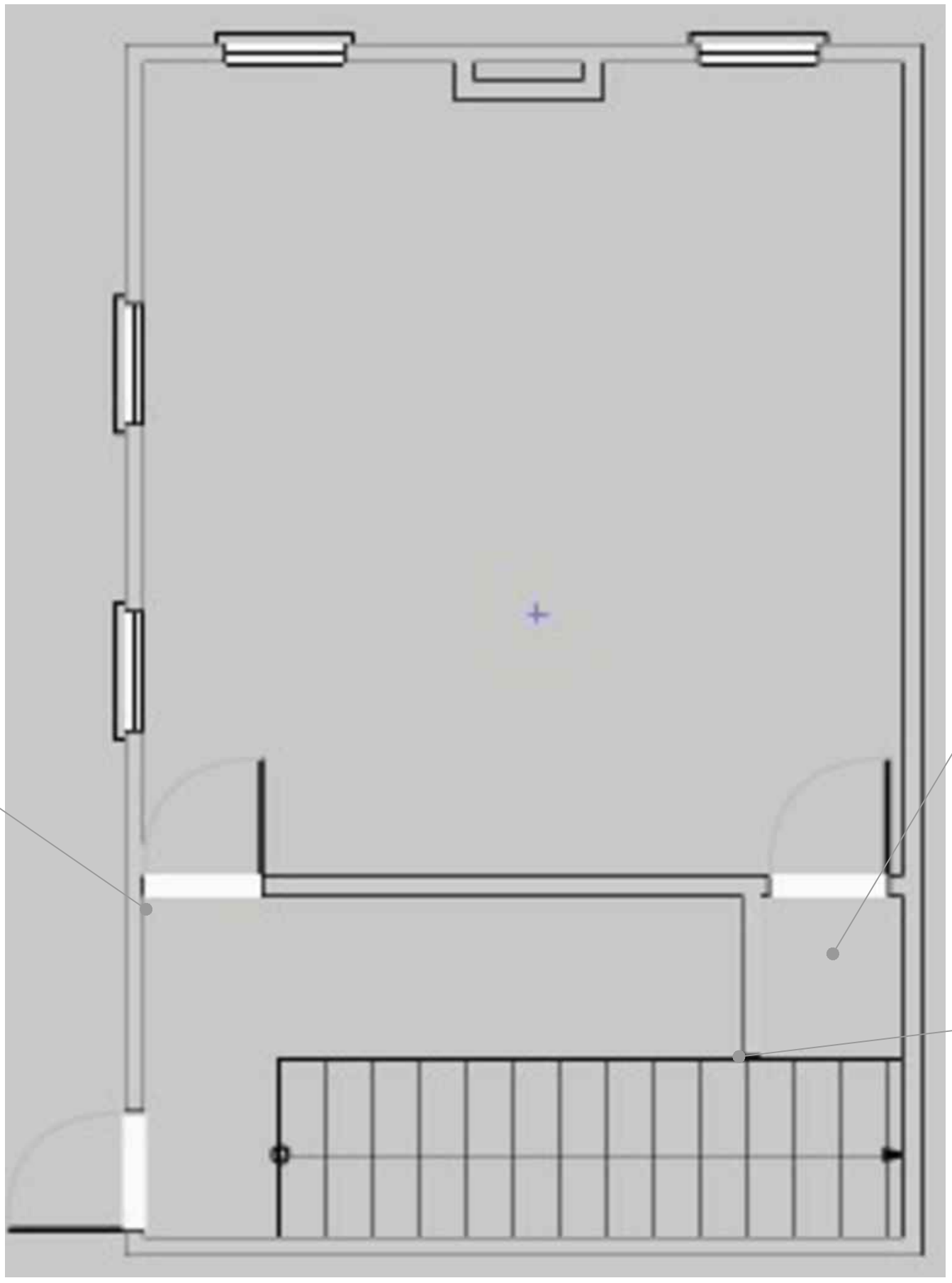
TABLE 5
SUMMARY OF DIRECT EXAMINATION ANALYSIS
JOHN JAY HOMESTEAD STATE HISTORIC SITE
400 JAY STREET KATONAH NY
MATRIX NO. 23-0088

MATRIXNEWORLD
Engineering Progress

Matrix Sample Number	Swab-01	Swab-02	Swab-03	Swab-04	Swab-05
Sample Location	Brick Cottage - Second Floor	Coachman's House - Kitchen	School House - Center	Bedford House - Sunroom	Bedford House - Room #303
Sample Date	9/28/2023	9/28/2023	9/28/2023	9/28/2023	9/28/2023
Lab Sample Number	372315610-0002	372315610-0005	372315610-0007	372315610-0009	372315610-0010
Alternaria (Ulocladium)	-	-	-	-	-
Ascospores	-	-	-	-	-
Aspergillus/Penicillium	-	Medium	-	Low	-
Basidiospores	-	-	-	-	-
Bipolaris ++	-	-	-	-	-
Chaetomium ++	-	-	-	-	-
Cladosporium	*High*	Medium	*High*		
Curvularia	-	-	-	-	-
Epicoccum	-	-	-	-	-
Fusarium ++	-	-	-	-	-
Ganoderma	-	-	-	-	-
Myxomycetes ++	-	-	-	-	-
Pithomyces ++	-				
Rust	-	-	-	-	-
Scopulariopsis / Microascus	-	-	-	-	-
Stachybotrys / Memnoniella	-	-	-	-	-
Unidentifiable Spores	-	-	-	-	-
Zygomycetes	-	-	-	-	-
Penicillium / Talaromyces	-	-	-	-	*High*
Other					
Hyphal Fragment	-	-	-	-	-
Insect Fragment	-	Rare	-	-	-
Pollen	-	-	-	-	-
Fibrous Particulate	-	Rare	-	Rare	Rare

Notes:
Rare - 1 to 10 Counts Per Area Analyzed
Low - 11 to 100 Counts Per Area Analyzed to all
Medium - 101 to 1000 Counts Per Area Analyzed to all
High - >1000 Counts Per Area Analyzed to all

FIGURES



LEGEND

00-00 BULK ASBESTOS SAMPLE LOCATION (POSITIVE)

00-00 BULK ASBESTOS SAMPLE LOCATION (NEGATIVE)

ASBESTOS SAMPLE LOCATION PLAN
SCHOOL HOUSE - FIRST FLOOR

JOHN JAY HOMESTEAD STATE HISTORIC SITE
400 JAY STREET
KATONAH, NEW YORK 10536

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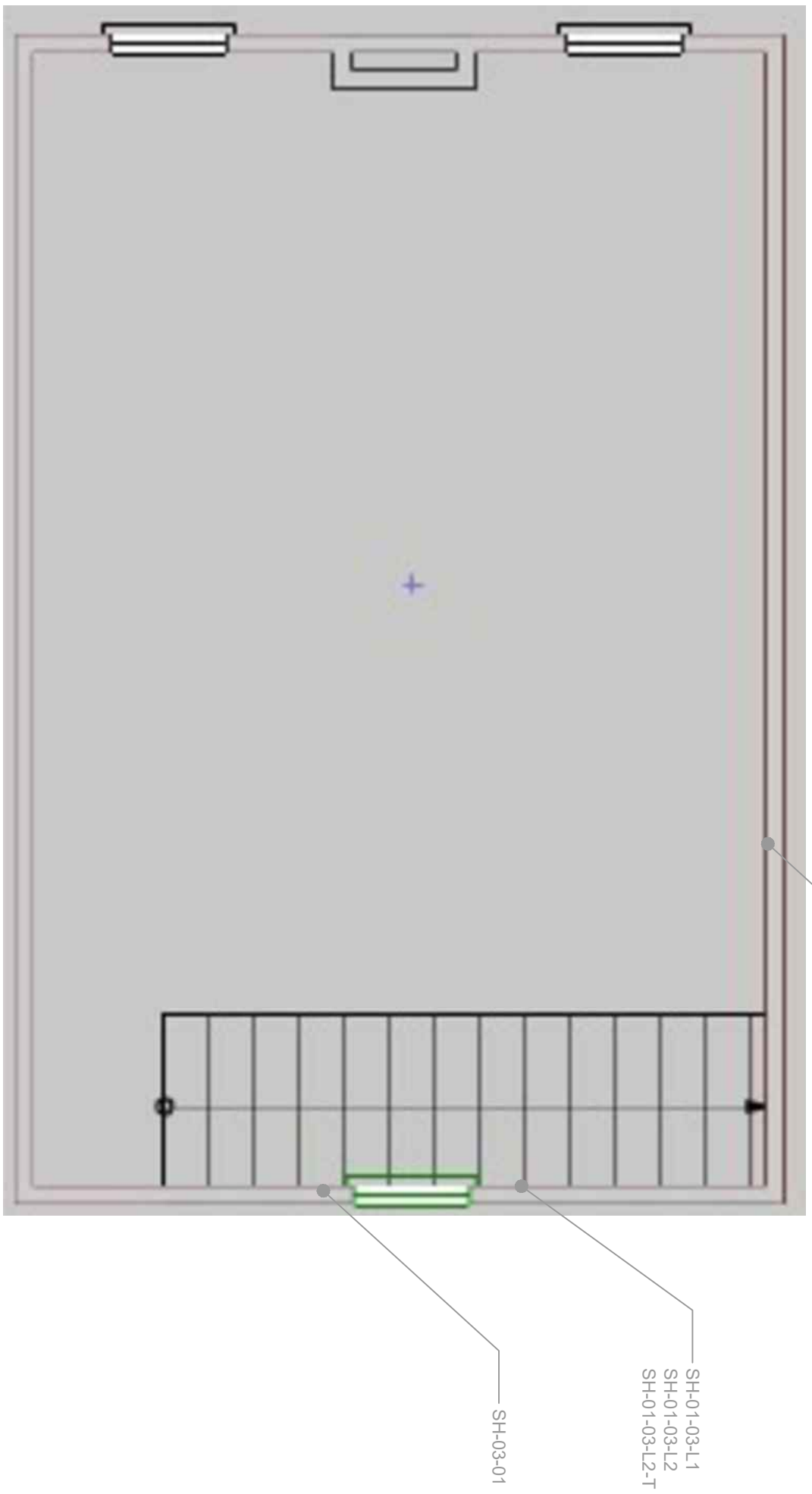
SCALE: NTS
DATE: 01/31/2024
FIGURE 2
SHEET 2 OF 24



LEGEND

00-00 BULK ASBESTOS SAMPLE LOCATION (POSITIVE)

00-00 BULK ASBESTOS SAMPLE LOCATION (NEGATIVE)

ASBESTOS SAMPLE LOCATION PLAN
SHOOL HOUSE - ATTIC

JOHN JAY HOMESTEAD STATE HISTORIC SITE
400 JAY STREET
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FIGURE 3
SHEET 3 OF 24

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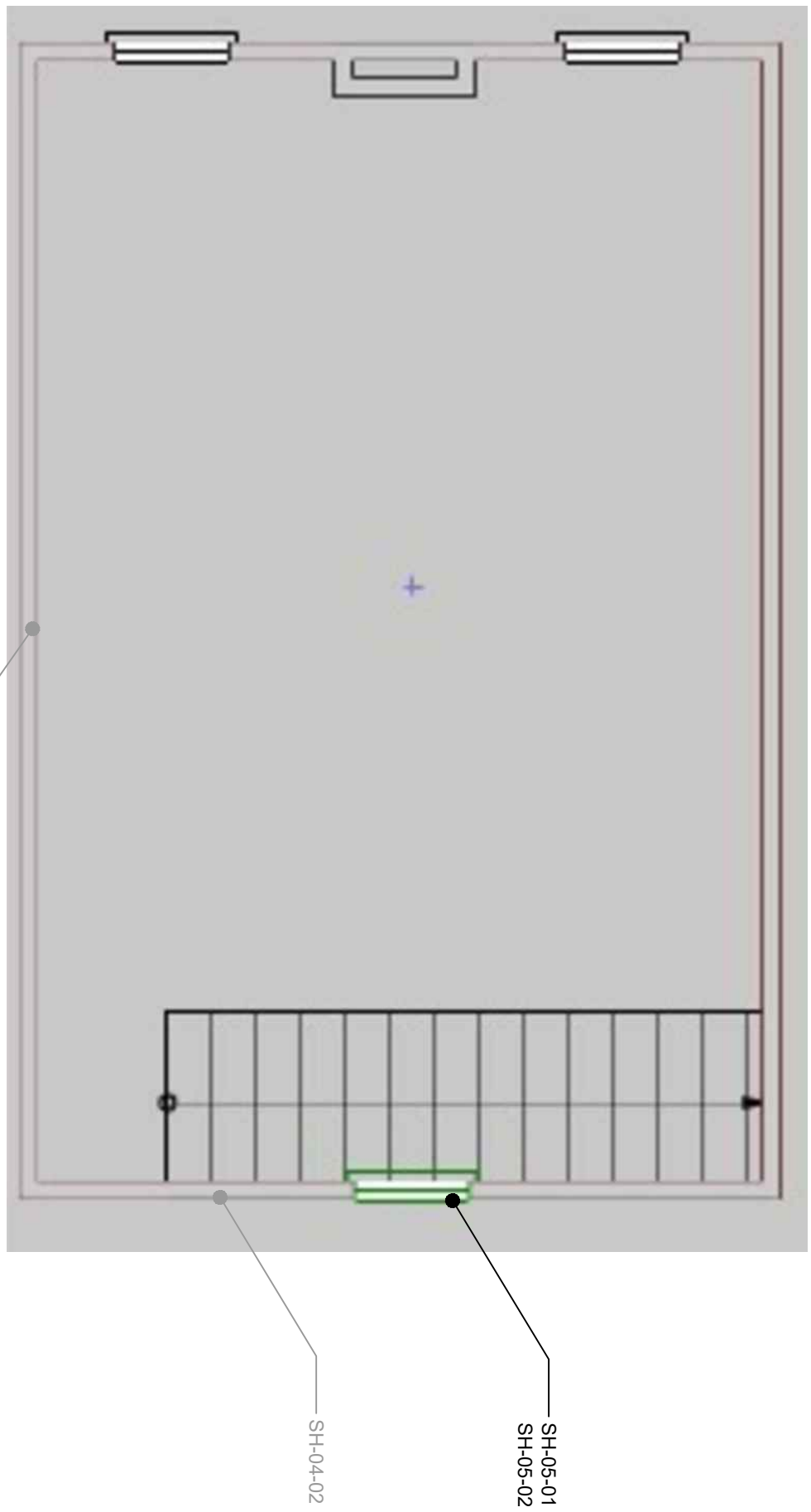

LEGEND

00-00 BULK ASBESTOS SAMPLE LOCATION (POSITIVE)

00-00 BULK ASBESTOS SAMPLE LOCATION (NEGATIVE)

ASBESTOS SAMPLE LOCATION PLAN
SCHOOL HOUSE - EXTERIOR

JOHN JAY HOMESTEAD STATE HISTORIC SITE
400 JAY STREET
KATONAH, NEW YORK 10536

PROJECT NUMBER: 23-0088

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FIGURE 4

SHEET 4 OF 24

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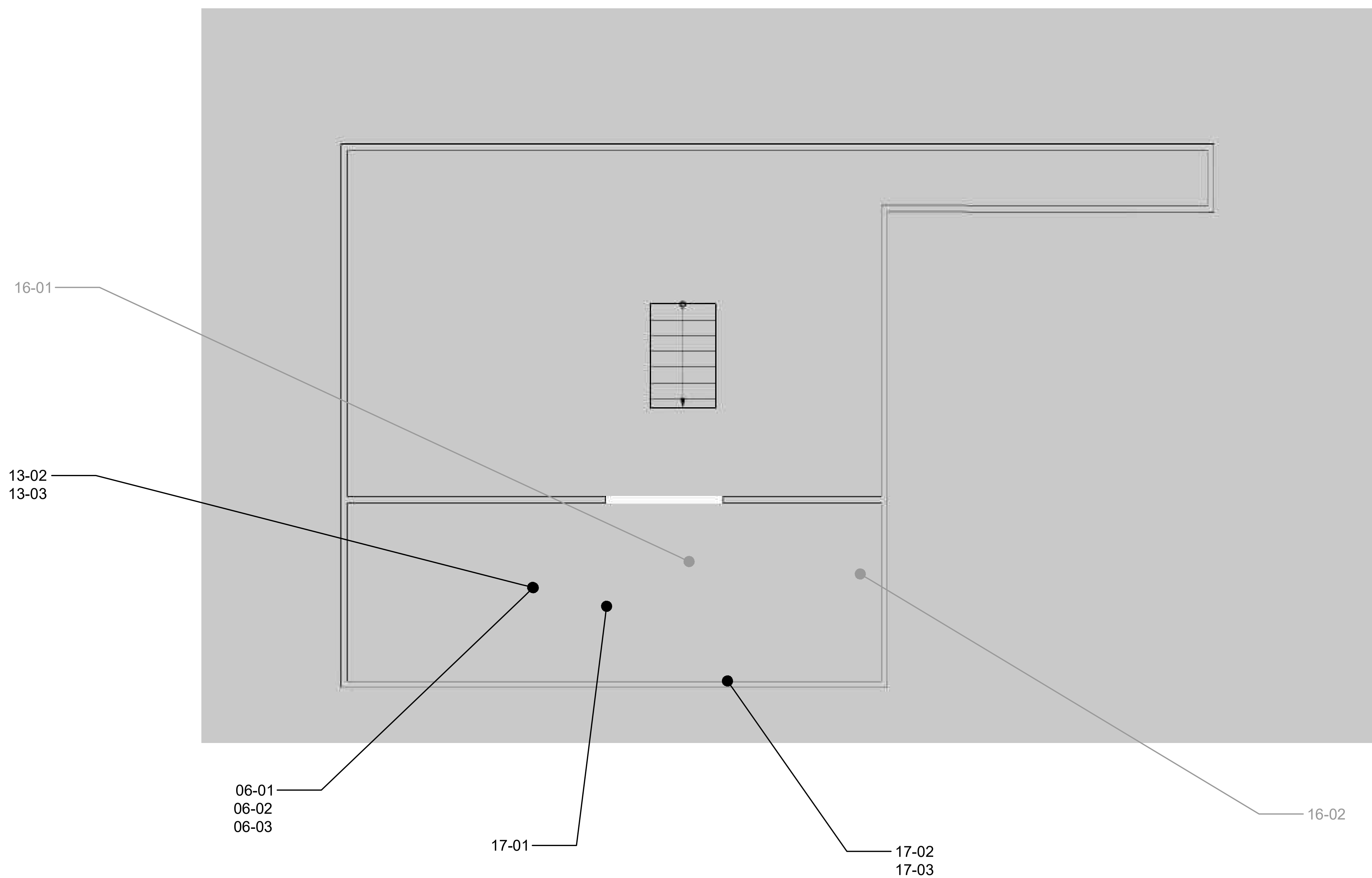

LEGEND

- 00-00 BULK ASBESTOS SAMPLE LOCATION (POSITIVE)
- 00-00 BULK ASBESTOS SAMPLE LOCATION (NEGATIVE)

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ASBESTOS SAMPLE LOCATION PLAN
BRICK COTTAGE - BASEMENT

JOHN JAY HOMESTEAD STATE HISTORIC SITE
400 JAY STREET
KATONAH, NEW YORK 10536

PROJECT NUMBER: 23-0088
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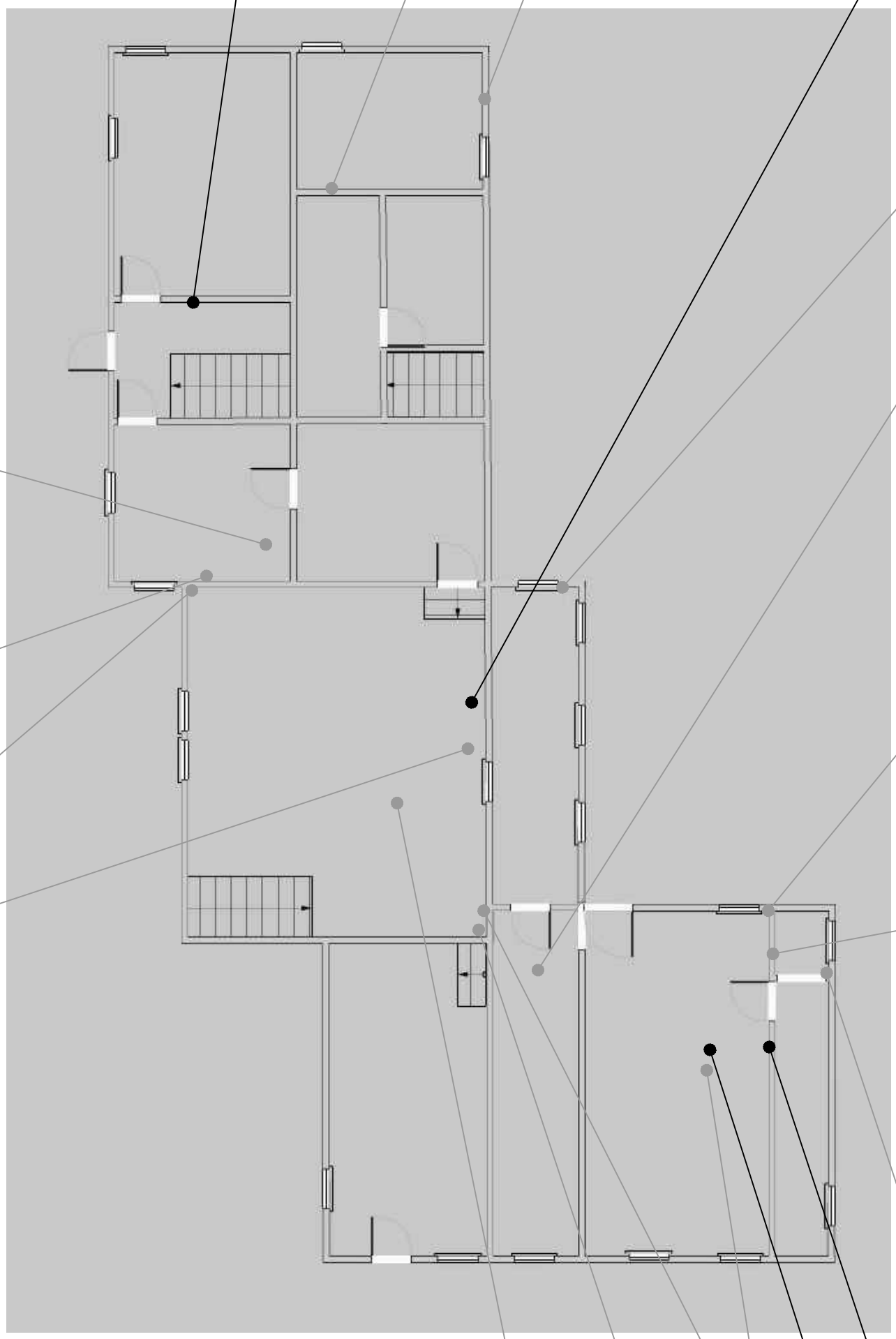
FIGURE 5
SHEET 5 OF 24



LEGEND

- 00-00 BULK ASBESTOS SAMPLE LOCATION (POSITIVE)
- 00-00 BULK ASBESTOS SAMPLE LOCATION (NEGATIVE)

ASBESTOS SAMPLE LOCATION PLAN
BRICK COTTAGE - FIRST FLOOR

JOHN JAY HOMESTEAD STATE HISTORIC SITE
400 JAY STREET
KATONAH, NEW YORK 10536

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FIGURE 6
SHEET 6 OF 24

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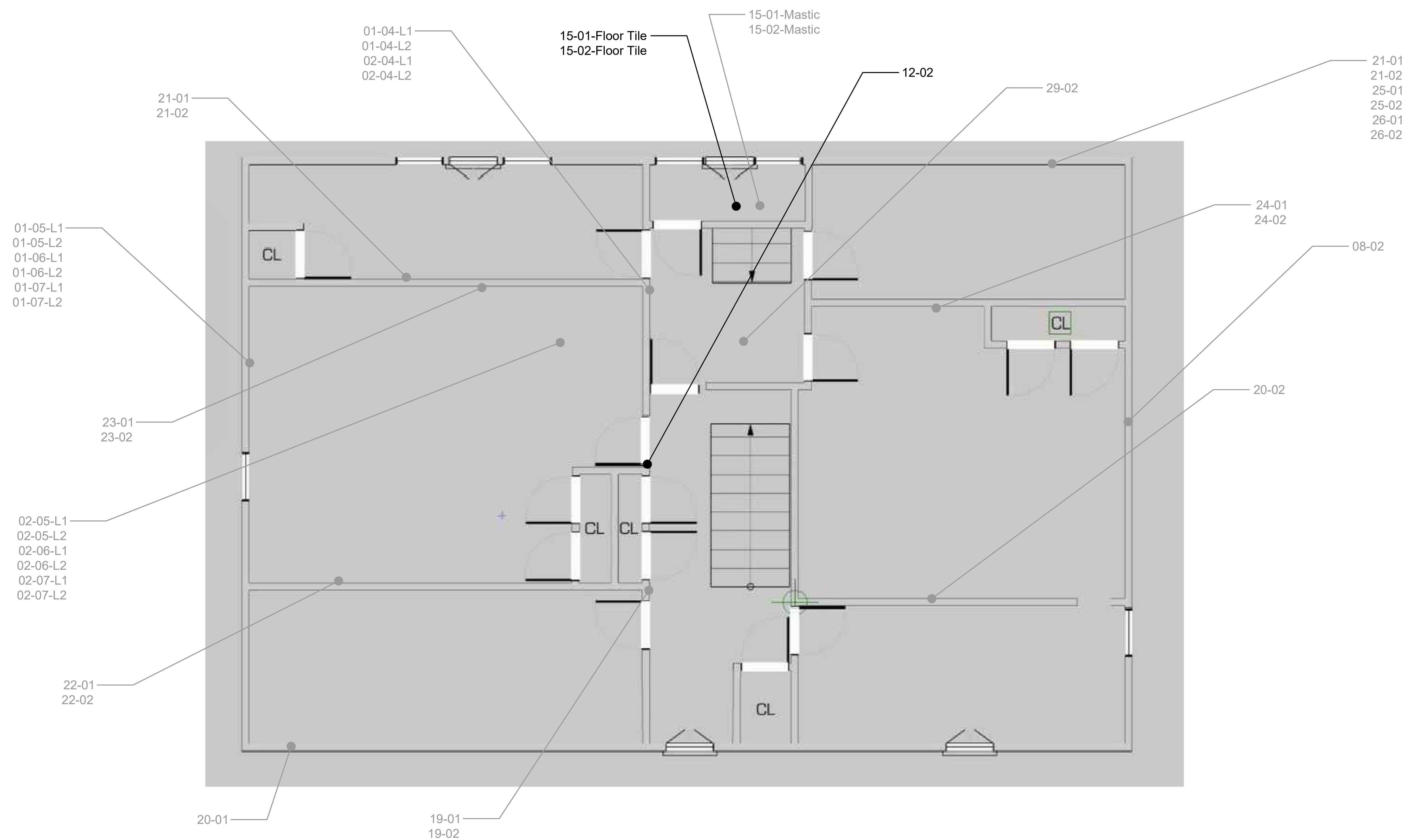

LEGEND

- 00-00 BULK ASBESTOS SAMPLE LOCATION (POSITIVE)
- 00-00 BULK ASBESTOS SAMPLE LOCATION (NEGATIVE)

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ASBESTOS SAMPLE LOCATION PLAN
BRICK COTTAGE - SECOND FLOOR

JOHN JAY HOMESTEAD STATE HISTORIC SITE
400 JAY STREET
KATONAH, NEW YORK 10536

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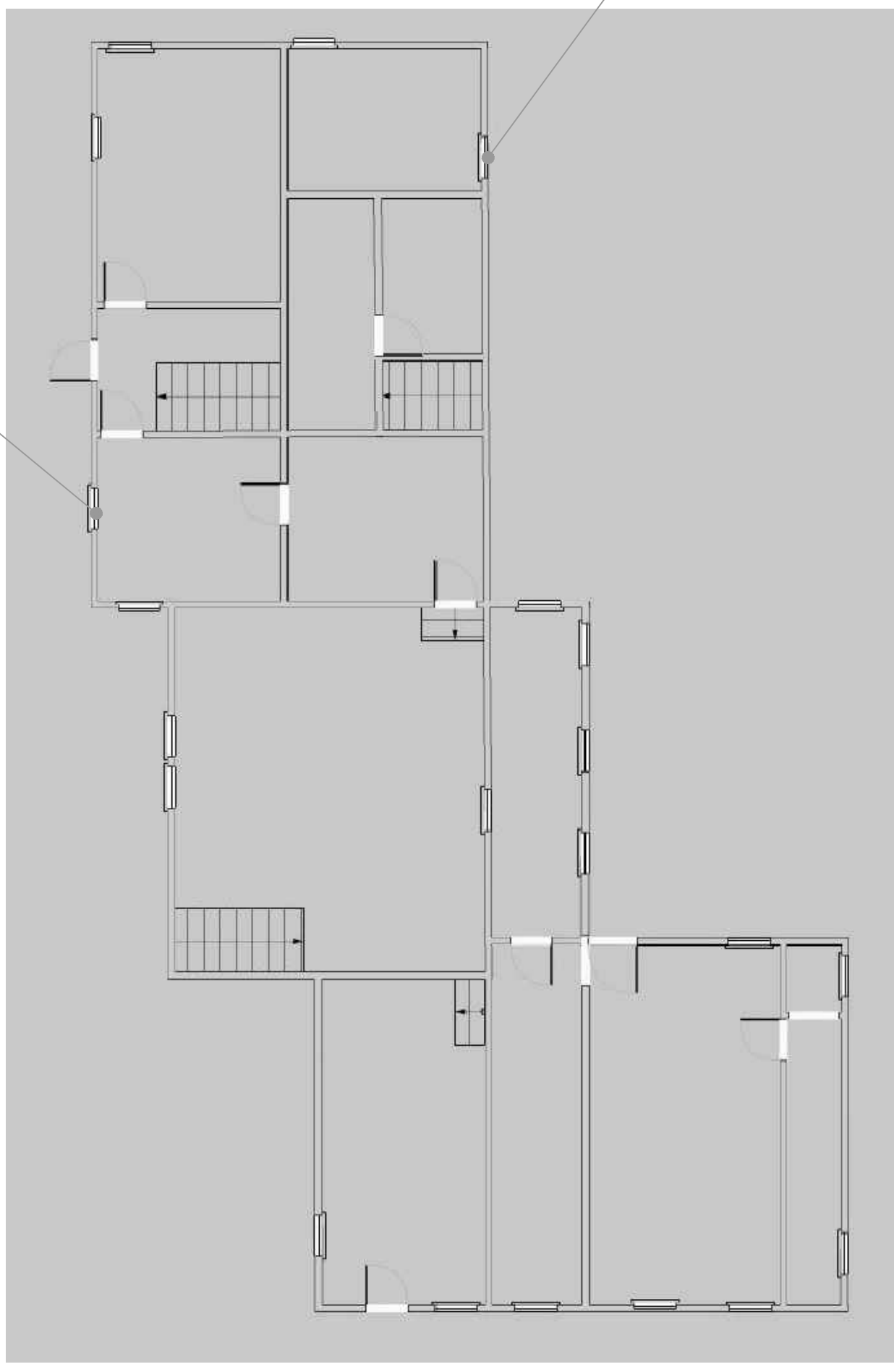
FIGURE 7
SHEET 7 OF 24



LEGEND

00-00 BULK ASBESTOS SAMPLE LOCATION (POSITIVE)

00-00 BULK ASBESTOS SAMPLE LOCATION (NEGATIVE)

ASBESTOS SAMPLE LOCATION PLAN
BRICK COTTAGE - EXTERIOR

JOHN JAY HOMESTEAD STATE HISTORIC SITE
400 JAY STREET
KATONAH, NEW YORK 10536

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FIGURE 8

SHEET 8 OF 24

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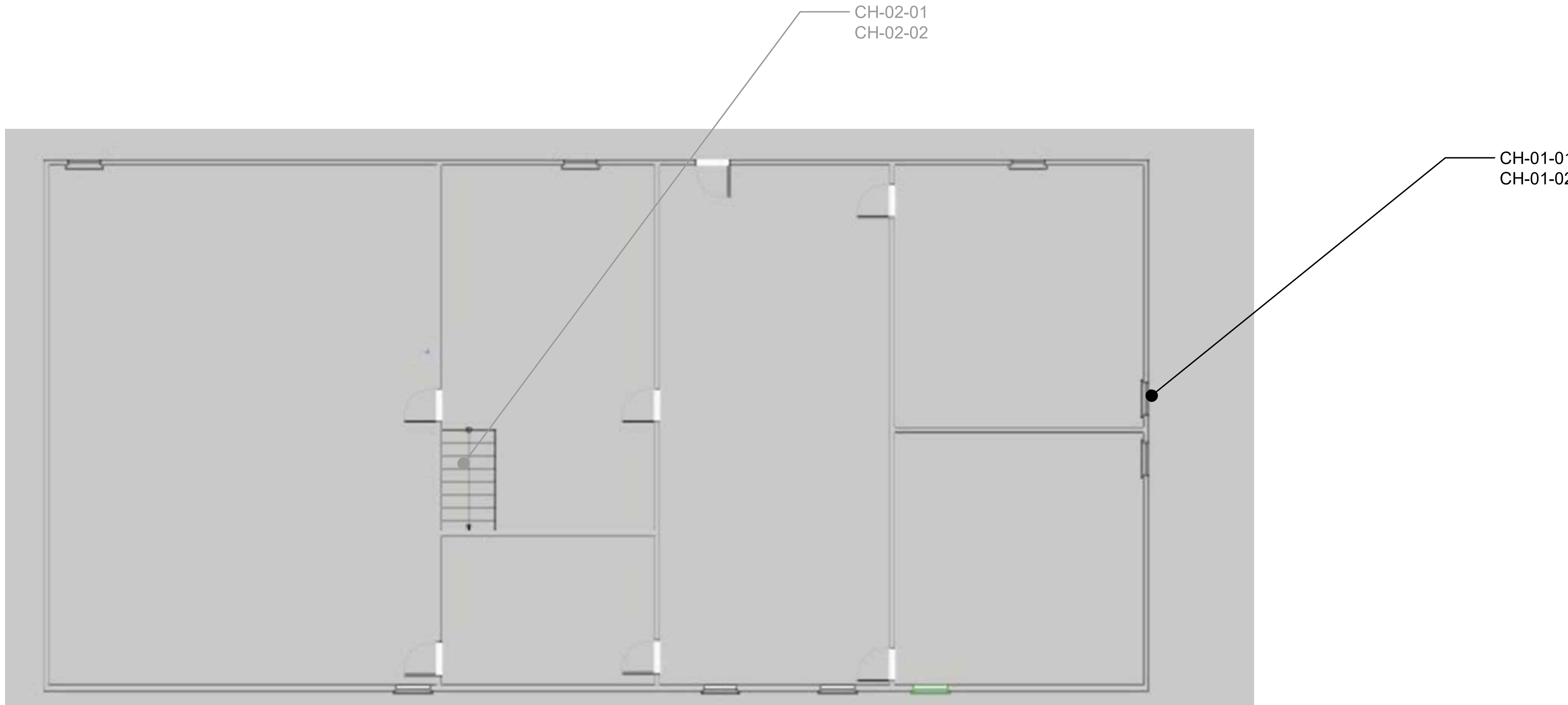

LEGEND

● 00-00 BULK ASBESTOS SAMPLE LOCATION (POSITIVE)

● 00-00 BULK ASBESTOS SAMPLE LOCATION (NEGATIVE)

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ASBESTOS SAMPLE LOCATION PLAN
COACHMAN'S HOUSE EXTERIOR

JOHN JAY HOMESTEAD STATE HISTORIC SITE
400 JAY STREET
KATONAH, NEW YORK 10536

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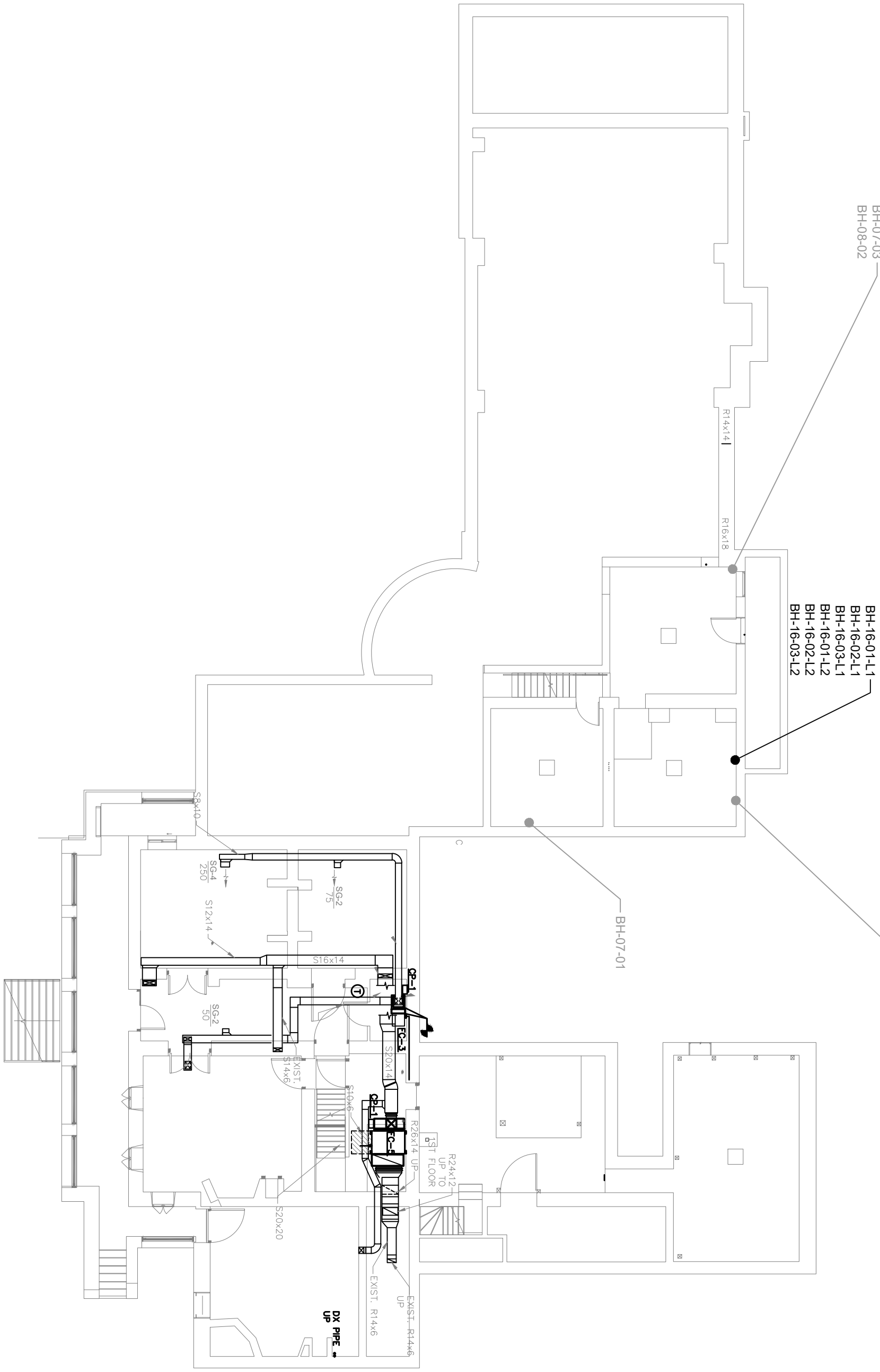
FIGURE 9

SHEET 9 OF 24



LEGEND

00-00 BULK ASBESTOS SAMPLE LOCATION (POSITIVE)

00-00 BULK ASBESTOS SAMPLE LOCATION (NEGATIVE)

ASBESTOS SAMPLE LOCATION PLAN
BEDFORD HOUSE - BASEMENT

JOHN JAY HOMESTEAD STATE HISTORIC SITE
400 JAY STREET
KATONAH, NEW YORK 10536

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FIGURE 10
SHEET 10 OF 24

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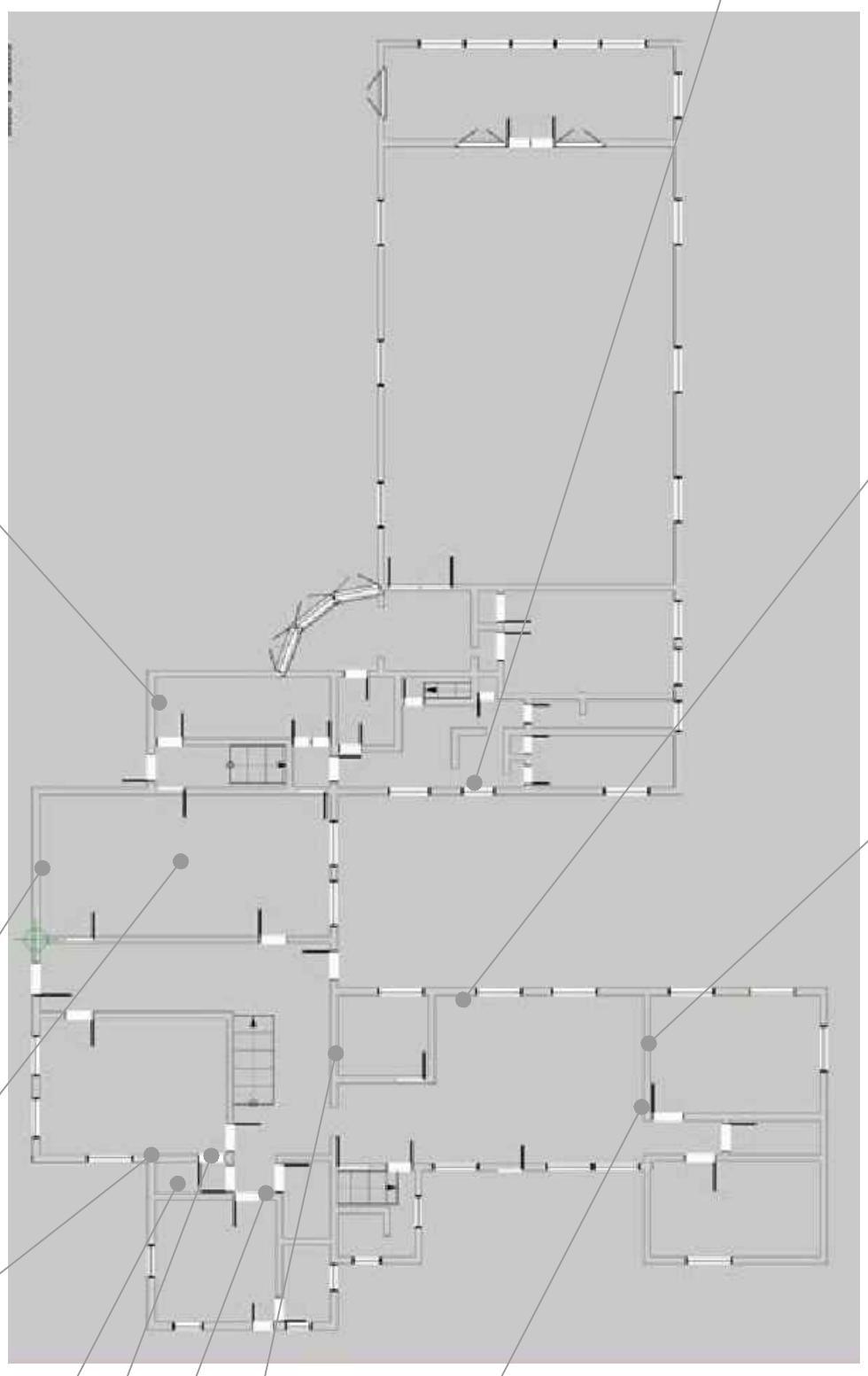

LEGEND

00-00 BULK ASBESTOS SAMPLE LOCATION (POSITIVE)

00-00 BULK ASBESTOS SAMPLE LOCATION (NEGATIVE)

ASBESTOS SAMPLE LOCATION PLAN
BEDFORD HOUSE - FIRST FLOOR

JOHN JAY HOMESTEAD STATE HISTORIC SITE
400 JAY STREET
KATONAH, NEW YORK 10536

PROJECT NUMBER: 23-0088
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FIGURE 11
SHEET 11 OF 24

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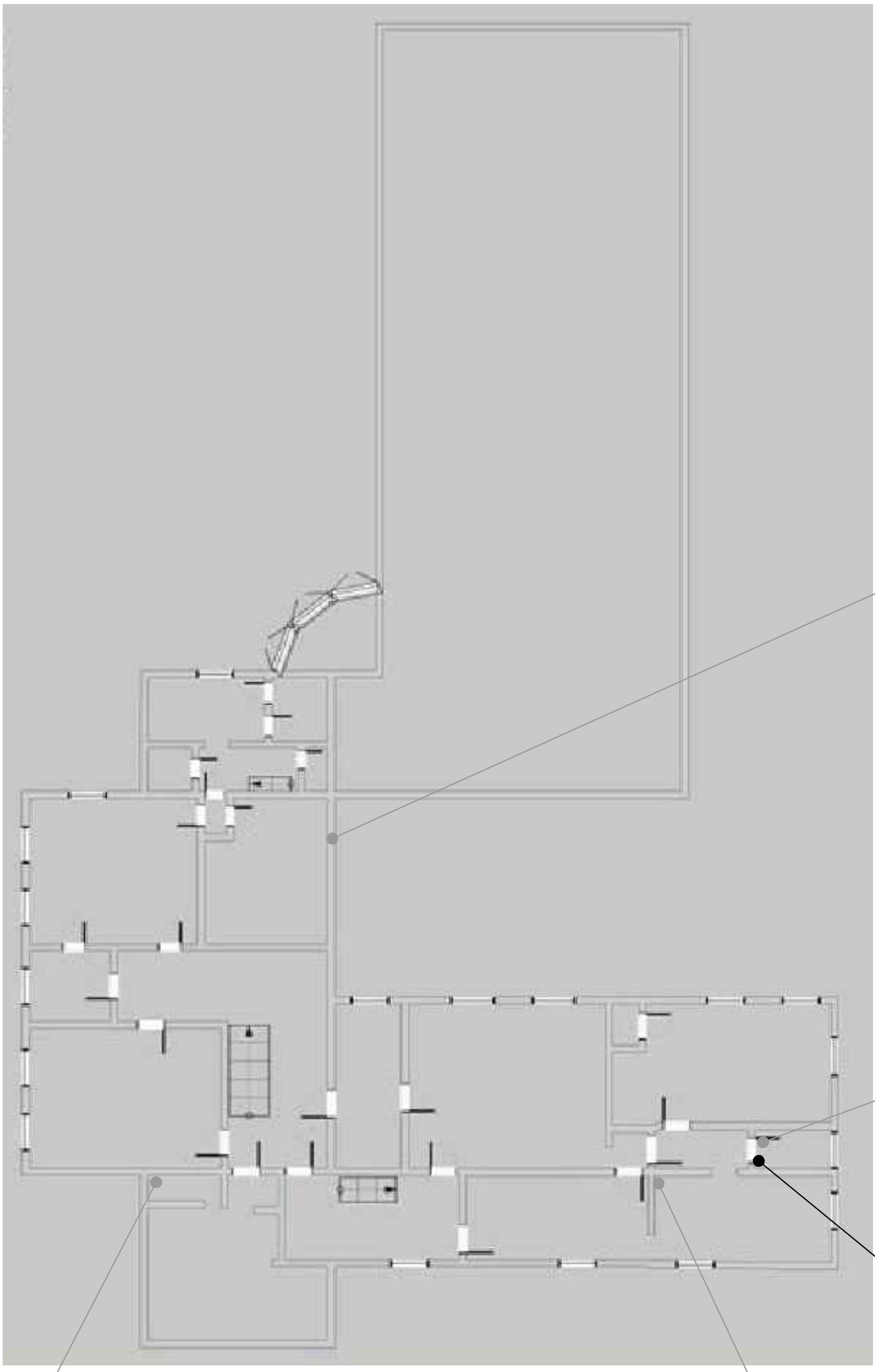

LEGEND

00-00 BULK ASBESTOS SAMPLE LOCATION (POSITIVE)

00-00 BULK ASBESTOS SAMPLE LOCATION (NEGATIVE)

ASBESTOS SAMPLE LOCATION PLAN
BEDFORD HOUSE - SECOND FLOOR

JOHN JAY HOMESTEAD STATE HISTORIC SITE
400 JAY STREET
KATONAH, NEW YORK 10536

PROJECT NUMBER: 23-0088

SCALE: NTS

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FIGURE 12
SHEET 12 OF 24

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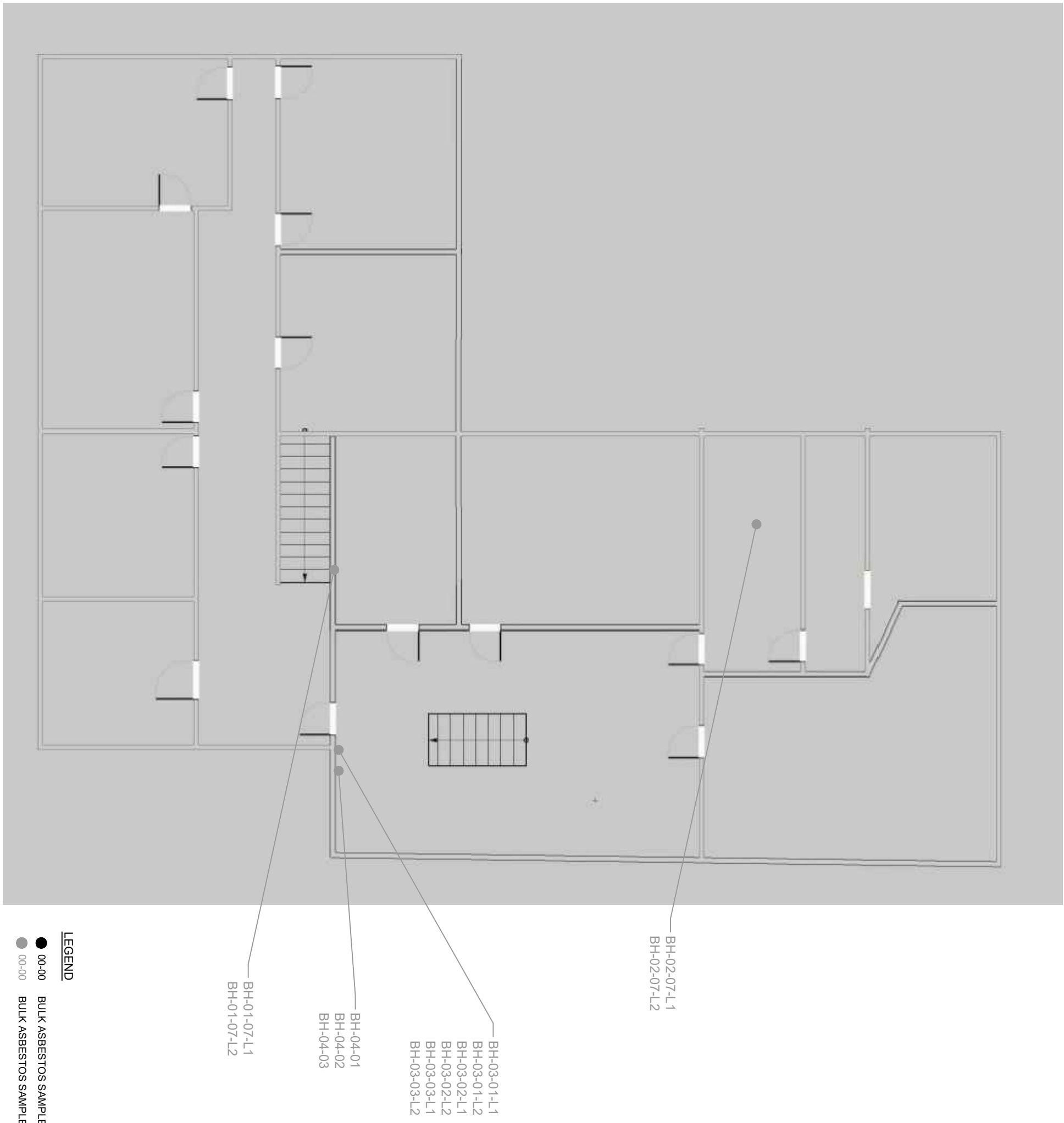
REVISIONS



LEGEND

00-00 BULK ASBESTOS SAMPLE LOCATION (POSITIVE)

00-00 BULK ASBESTOS SAMPLE LOCATION (NEGATIVE)

ASBESTOS SAMPLE LOCATION PLAN
BEDFORD HOUSE - THIRD FLOOR

JOHN JAY HOMESTEAD STATE HISTORIC SITE
400 JAY STREET
KATONAH, NEW YORK 10536

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FIGURE 13
SHEET 13 OF 24

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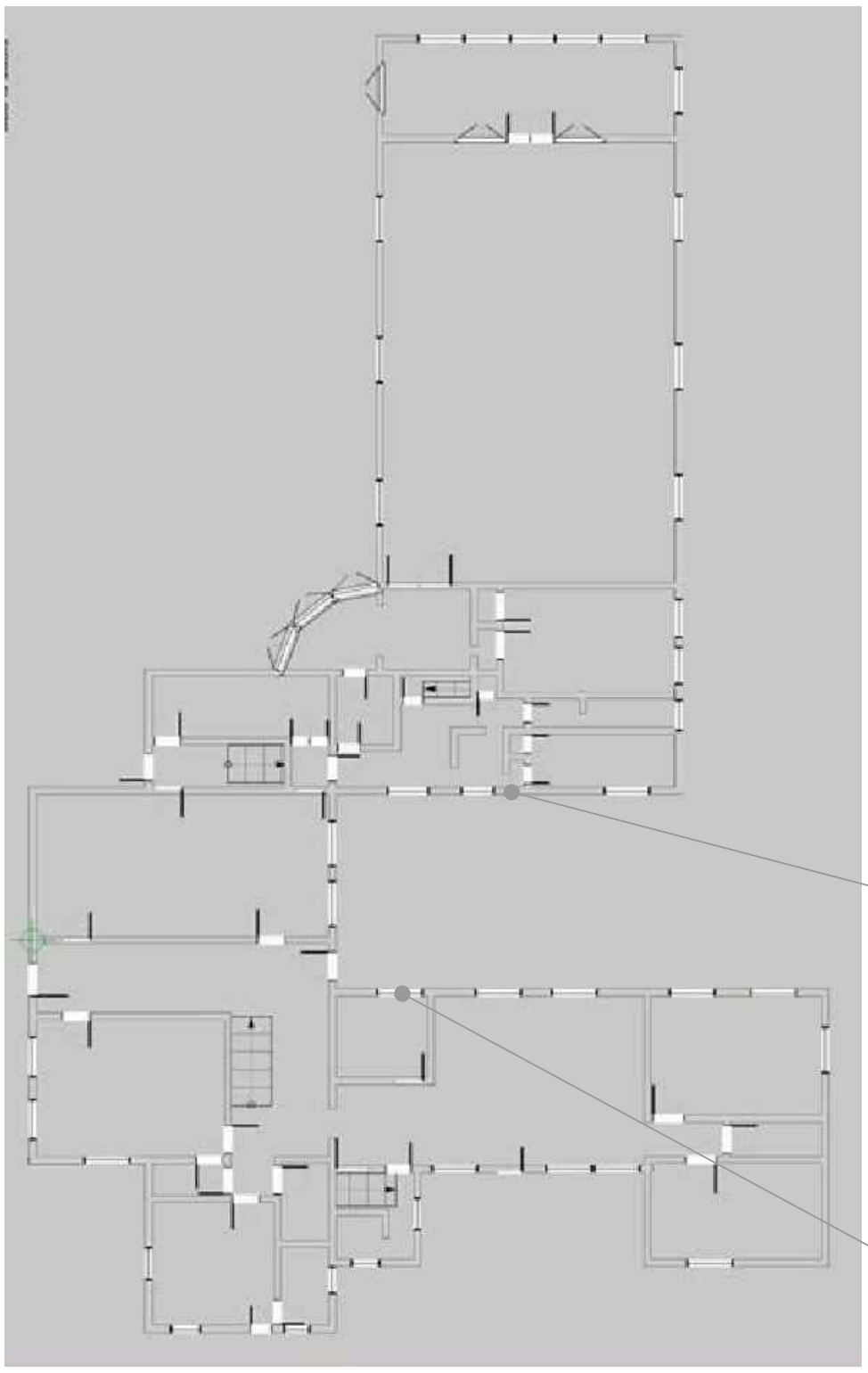

LEGEND

- 00-00 BULK ASBESTOS SAMPLE LOCATION (POSITIVE)
- 00-00 BULK ASBESTOS SAMPLE LOCATION (NEGATIVE)

ASBESTOS SAMPLE LOCATION PLAN
BEDFORD HOUSE - EXTERIOR

JOHN JAY HOMESTEAD STATE HISTORIC SITE
400 JAY STREET
KATONAH, NEW YORK 10536

PROJECT NUMBER: 23-0088
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FIGURE 14
SHEET 14 OF 24

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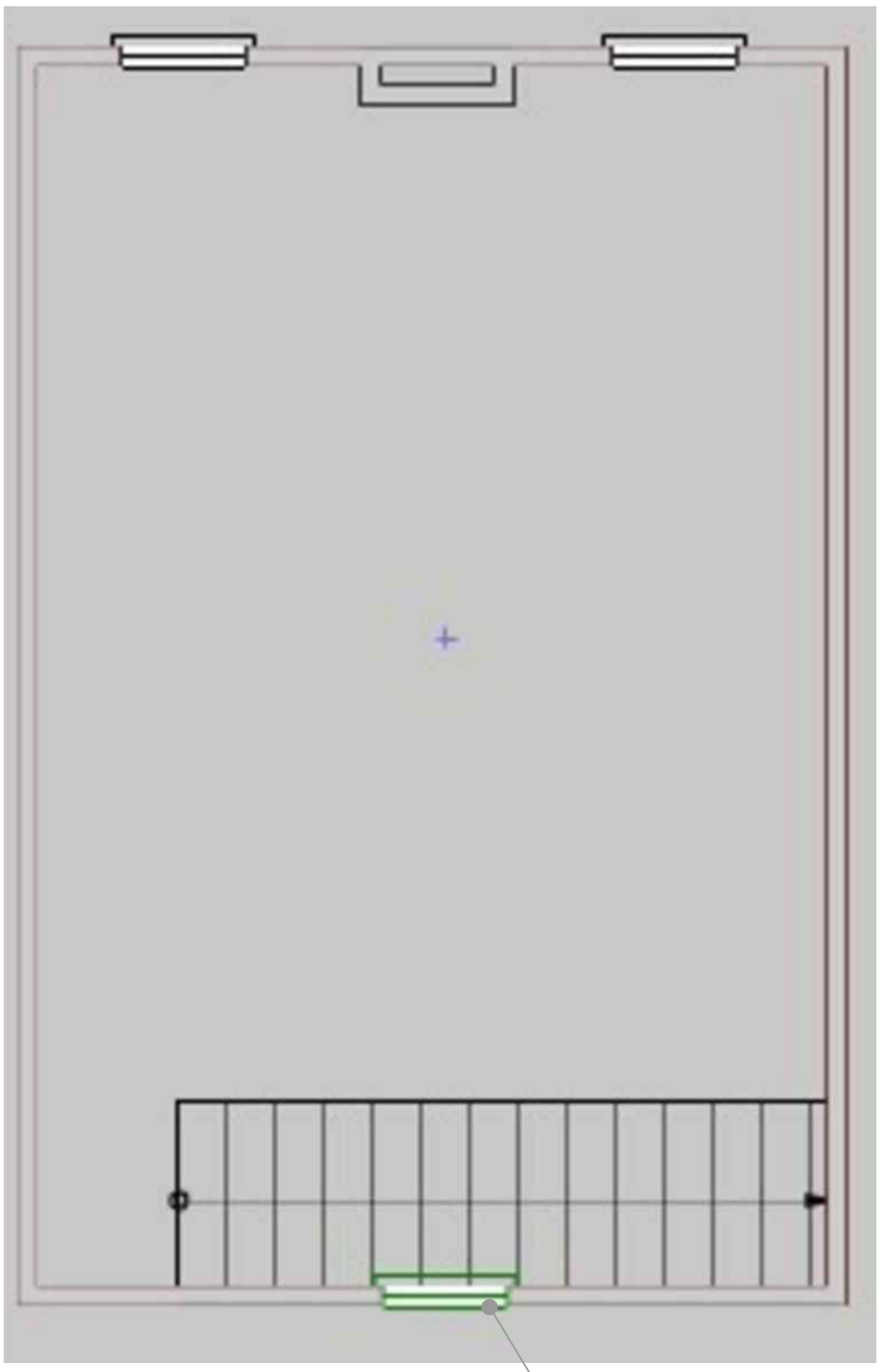

LEGEND

00-00 PCB SAMPLE LOCATION (REGULATED)

00-00 PCB SAMPLE LOCATION (NON-REGULATED)

PCB SAMPLE LOCATION PLAN
SCHOOL HOUSE - EXTERIOR

JOHN JAY HOMESTEAD STATE HISTORIC SITE
400 JAY STREET
KATONAH, NEW YORK 10536

PROJECT NUMBER: 23-0088
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FIGURE 15
SHEET 15 OF 24

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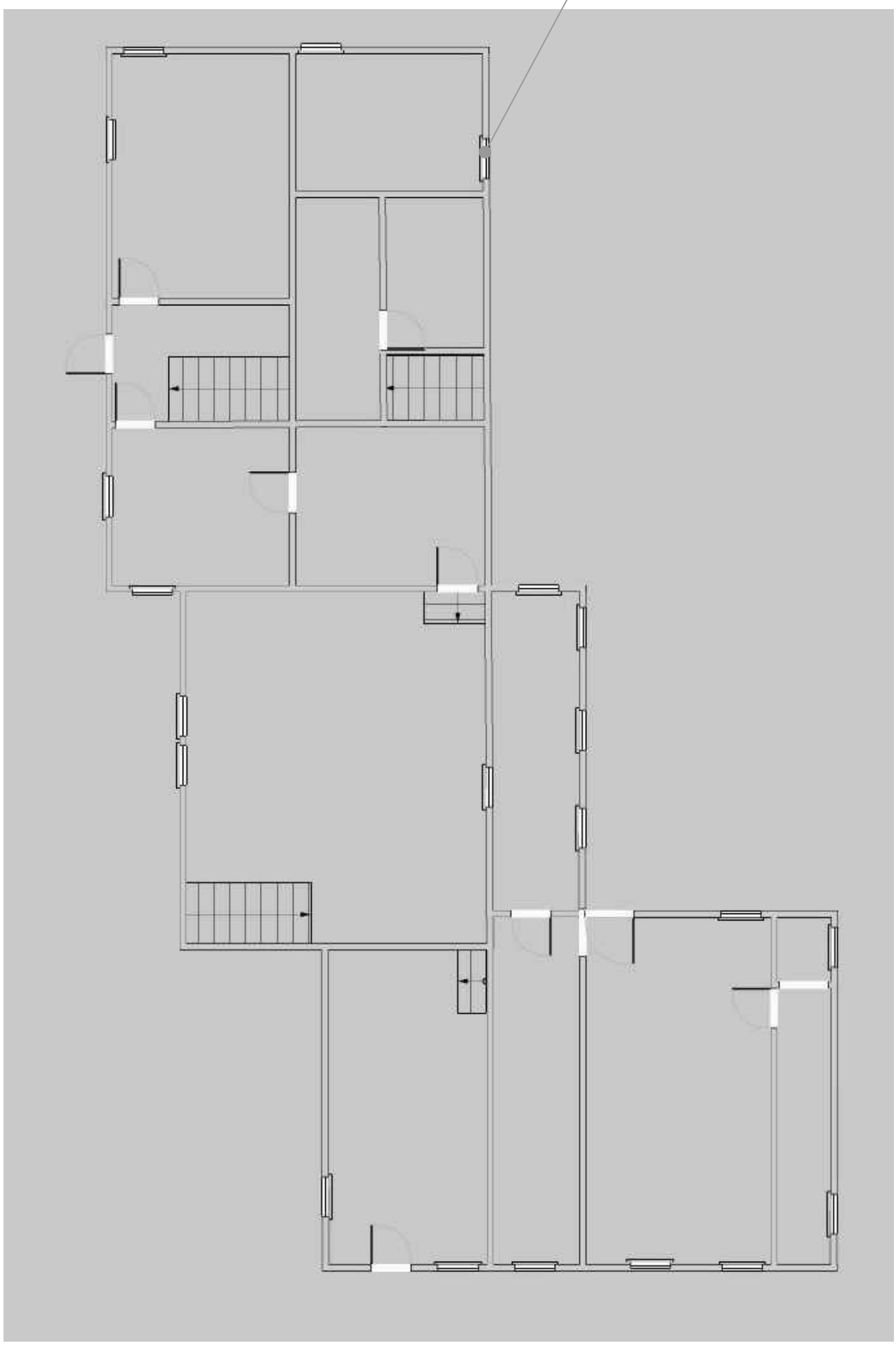

LEGEND

00-00 PCB SAMPLE LOCATION (REGULATED)

00-00 PCB SAMPLE LOCATION (NON-REGULATED)

PCB SAMPLE LOCATION PLAN
BRICK COTTAGE - FIRST FLOOR

JOHN JAY HOMESTEAD STATE HISTORIC SITE
400 JAY STREET
KATONAH, NEW YORK 10536

PROJECT NUMBER: 23-0088

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FIGURE 16

SHEET 16 OF 24

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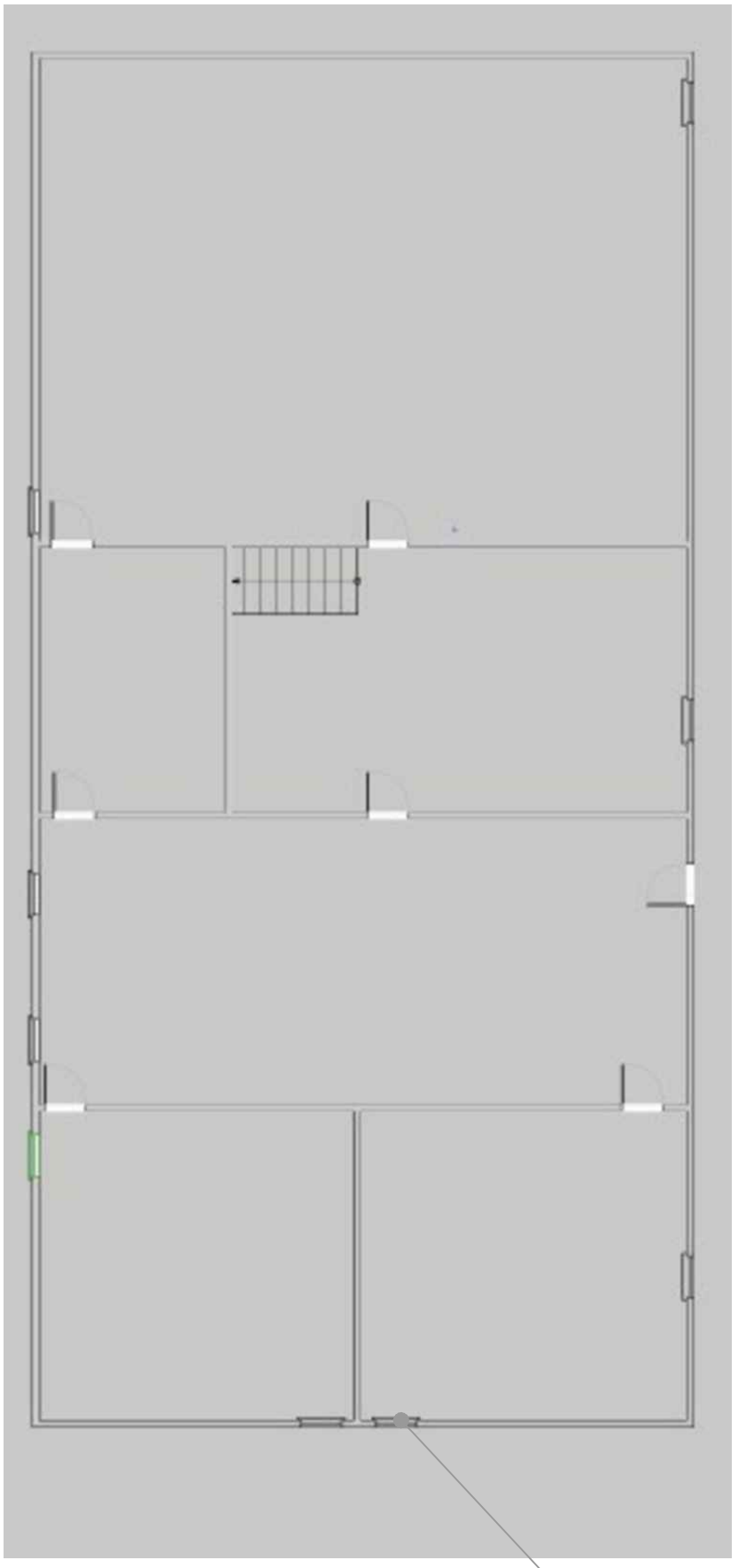

LEGEND

00-00 PCB SAMPLE LOCATION (REGULATED)

00-00 PCB SAMPLE LOCATION (NON-REGULATED)

PCB SAMPLE LOCATION PLAN
COACHMAN'S HOUSE EXTERIOR

JOHN JAY HOMESTEAD STATE HISTORIC SITE
400 JAY STREET
KATONAH, NEW YORK 10536

PROJECT NUMBER: 23-0088

SCALE: NTS

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FIGURE 17
SHEET 17 OF 24

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NO.	DESCRIPTION	DATE:	BY:	APR:

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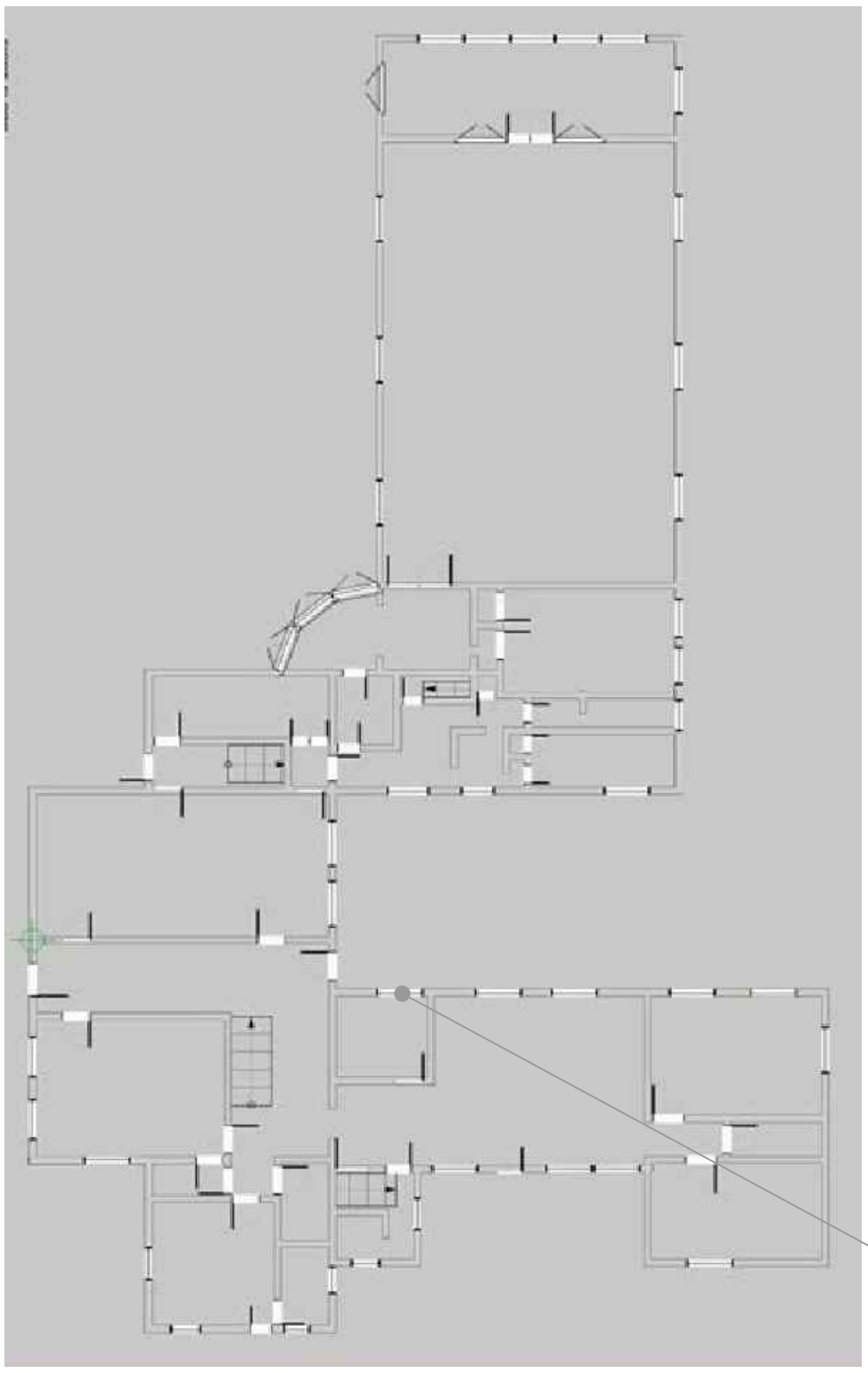

LEGEND

00-00 PCB SAMPLE LOCATION (REGULATED)

00-00 PCB SAMPLE LOCATION (NON-REGULATED)

PCB SAMPLE LOCATION PLAN
BEDFORD HOUSE - EXTERIOR

JOHN JAY HOMESTEAD STATE HISTORIC SITE
400 JAY STREET
KATONAH, NEW YORK 10536

PROJECT NUMBER: 23-0088

SCALE: NTS

DATE: 01/31/2024

FIGURE 18
SHEET 18 OF 24

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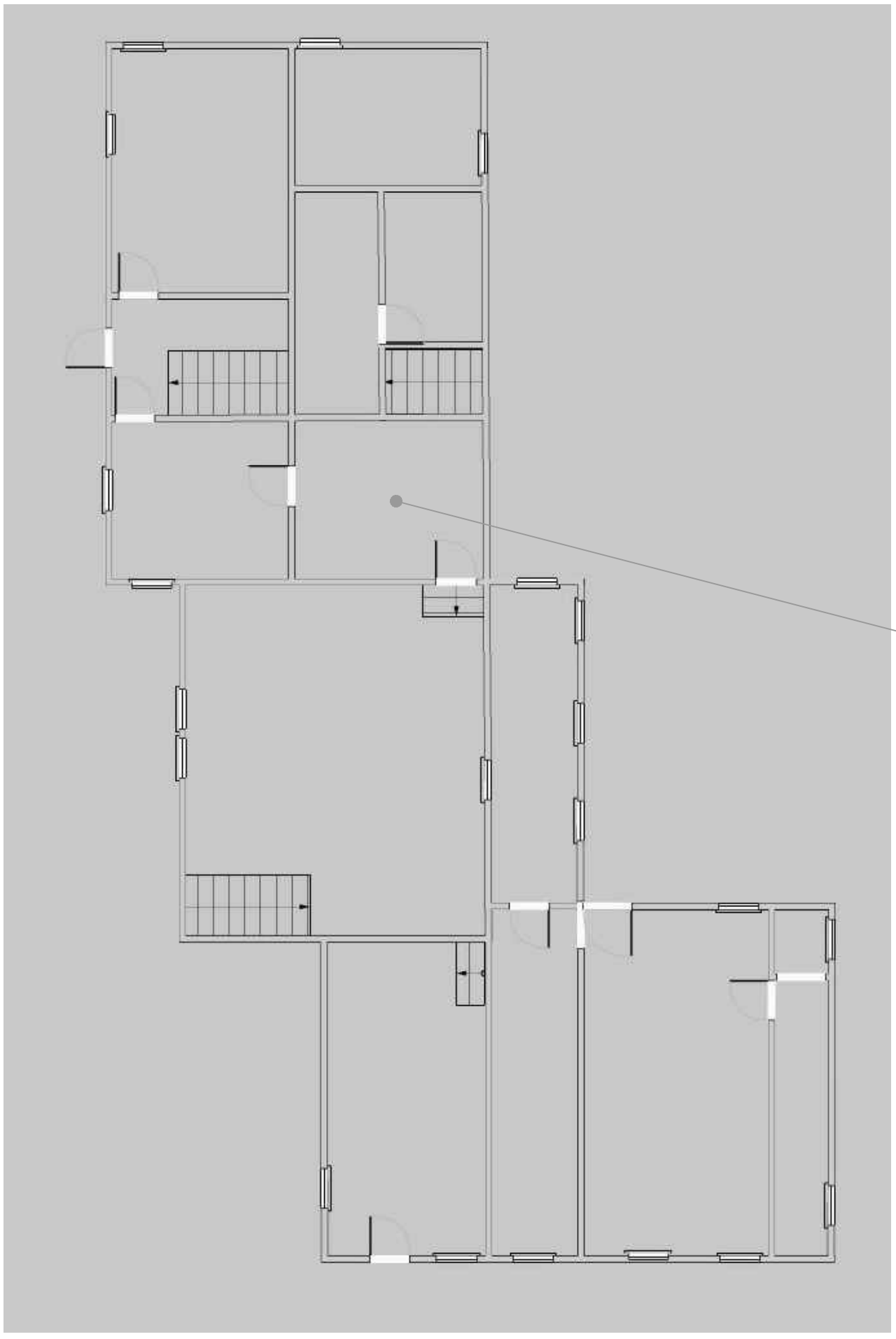

LEGEND

00-00 DIRECT EXAMINATION SAMPLE LOCATION

00-00 IAQ SAMPLE LOCATION

MICROBIAL SAMPLE LOCATION PLAN
BRICK COTTAGE - FIRST FLOOR

JOHN JAY HOMESTEAD STATE HISTORIC SITE
400 JAY STREET
KATONAH, NEW YORK 10536

PROJECT NUMBER: 23-0088

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FIGURE 19

SHEET 19 OF 24

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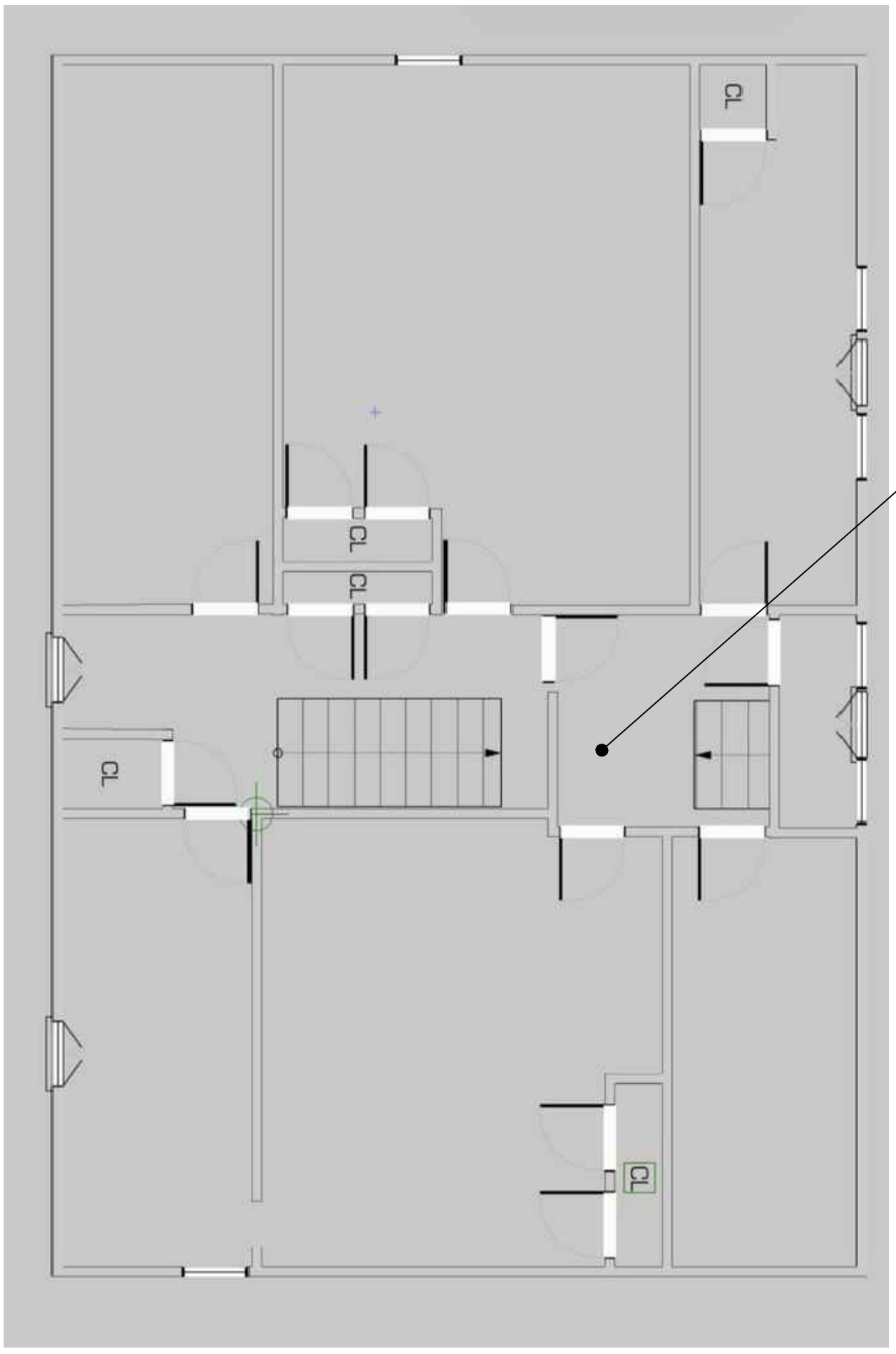
NO.	DESCRIPTION	DATE:	BY:	APR:

REVISIONS



LEGEND

00-00 DIRECT EXAMINATION SAMPLE LOCATION

00-00 IAQ SAMPLE LOCATION

MICROBIAL SAMPLE LOCATION PLAN
BRICK COTTAGE - SECOND FLOOR

JOHN JAY HOMESTEAD STATE HISTORIC SITE
400 JAY STREET
KATONAH, NEW YORK 10536

MATRIXNEWORLD
Engineering Progress
Matrix New World Engineering, Land Surveying
and Landscape Architecture, P.C.
20 West 37th Street,12th Floor Tel: 973-240-1800
New York, New York 10018 Fax: 973-240-1818
www.mnwe.com
STATE OF NEW YORK CERTIFICATE OF AUTHORIZATION No. 17-082661

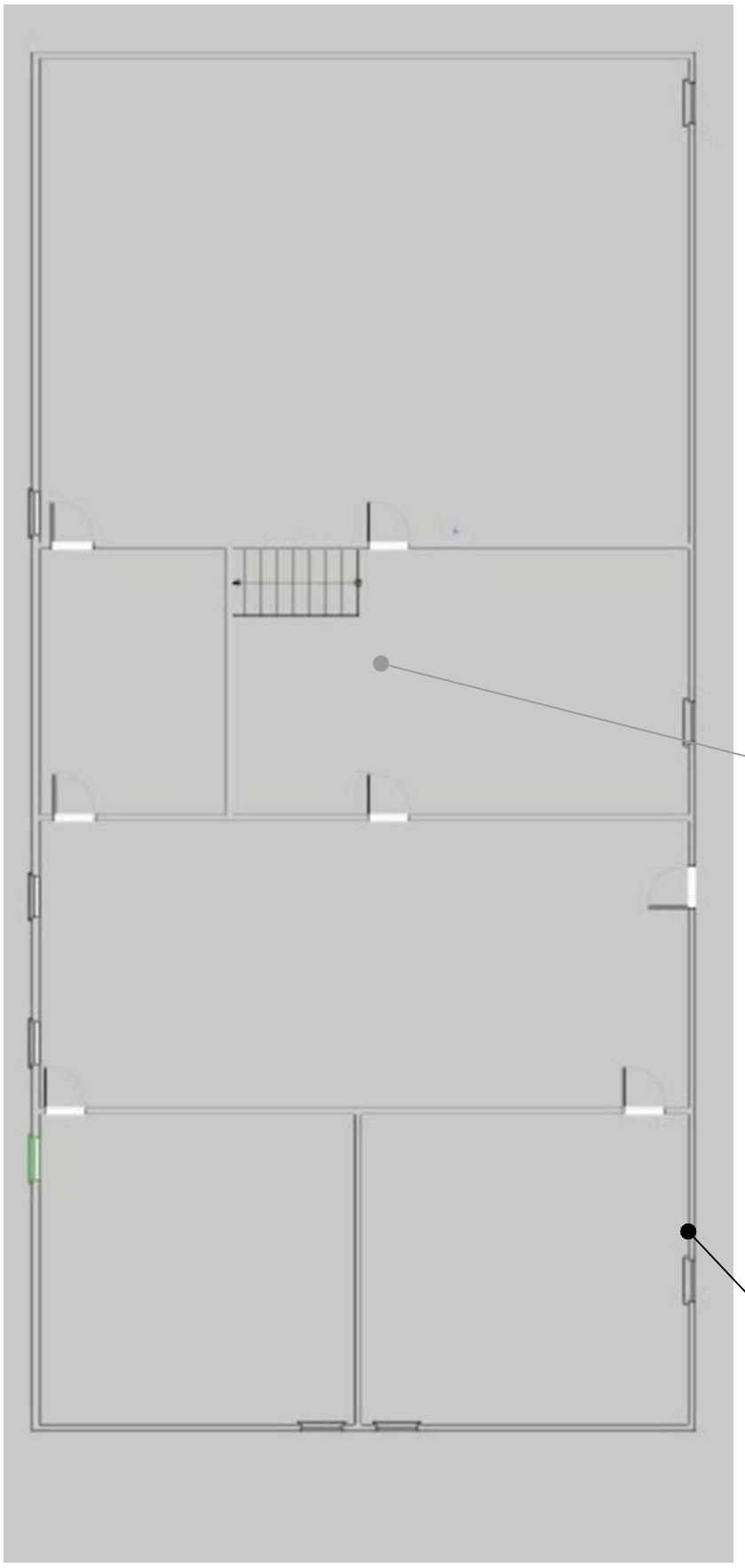
DATE

DESIGNED BY: TM
CHECKED BY: TM
RELEASED BY: GG

NO.	DESCRIPTION	DATE:	BY:	APR:

REVISIONS

PROJECT NUMBER: 23-0088
SCALE: NTS
DATE: 01/31/2024
FIGURE 20
SHEET 20 OF 24



LEGEND

00-00 DIRECT EXAMINATION SAMPLE LOCATION

00-00 IAQ SAMPLE LOCATION

MICROBIAL SAMPLE LOCATION PLAN
COACHMAN'S HOUSE FIRST FLOOR

JOHN JAY HOMESTEAD STATE HISTORIC SITE
400 JAY STREET
KATONAH, NEW YORK 10536

PROJECT NUMBER: 23-0088

SCALE: NTS

DATE: 01/31/2024

FIGURE 21

SHEET 21 OF 24

MATRIXNEWORLD
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Matrix New World Engineering, Land Surveying
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20 West 37th Street,12th Floor
New York, New York 10018
Tel: 973-240-1800
Fax: 973-240-1818
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STATE OF NEW YORK CERTIFICATE OF AUTHORIZATION No. 17-082661

DATE

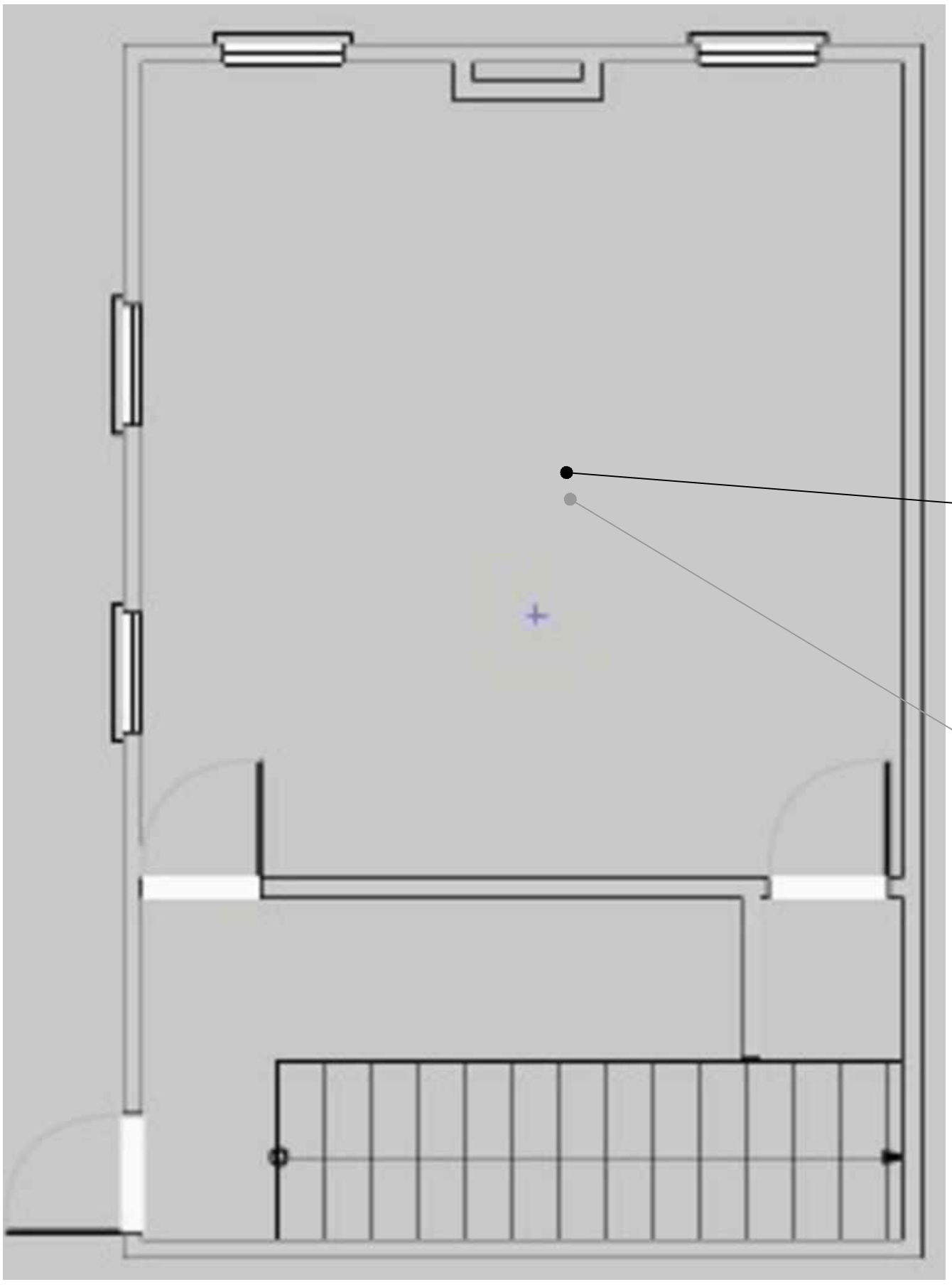
DESIGNED BY: TM

CHECKED BY: TM

RELEASED BY: GG

NO.	DESCRIPTION	DATE:	BY:	APR:

REVISIONS



LEGEND

00-00 DIRECT EXAMINATION SAMPLE LOCATION

00-00 IAQ SAMPLE LOCATION

MICROBIAL SAMPLE LOCATION PLAN
SCHOOL HOUSE - FIRST FLOOR

JOHN JAY HOMESTEAD STATE HISTORIC SITE
400 JAY STREET
KATONAH, NEW YORK 10536

PROJECT NUMBER: 23-0088
SCALE: NTS
DATE: 01/31/2024
FIGURE 22
SHEET 22 OF 24

MATRIXNEWORLD
Engineering Progress
Matrix New World Engineering, Land Surveying
and Landscape Architecture, P.C.
20 West 37th Street,12th Floor Tel: 973-240-1800
New York, New York 10018 Fax: 973-240-1818
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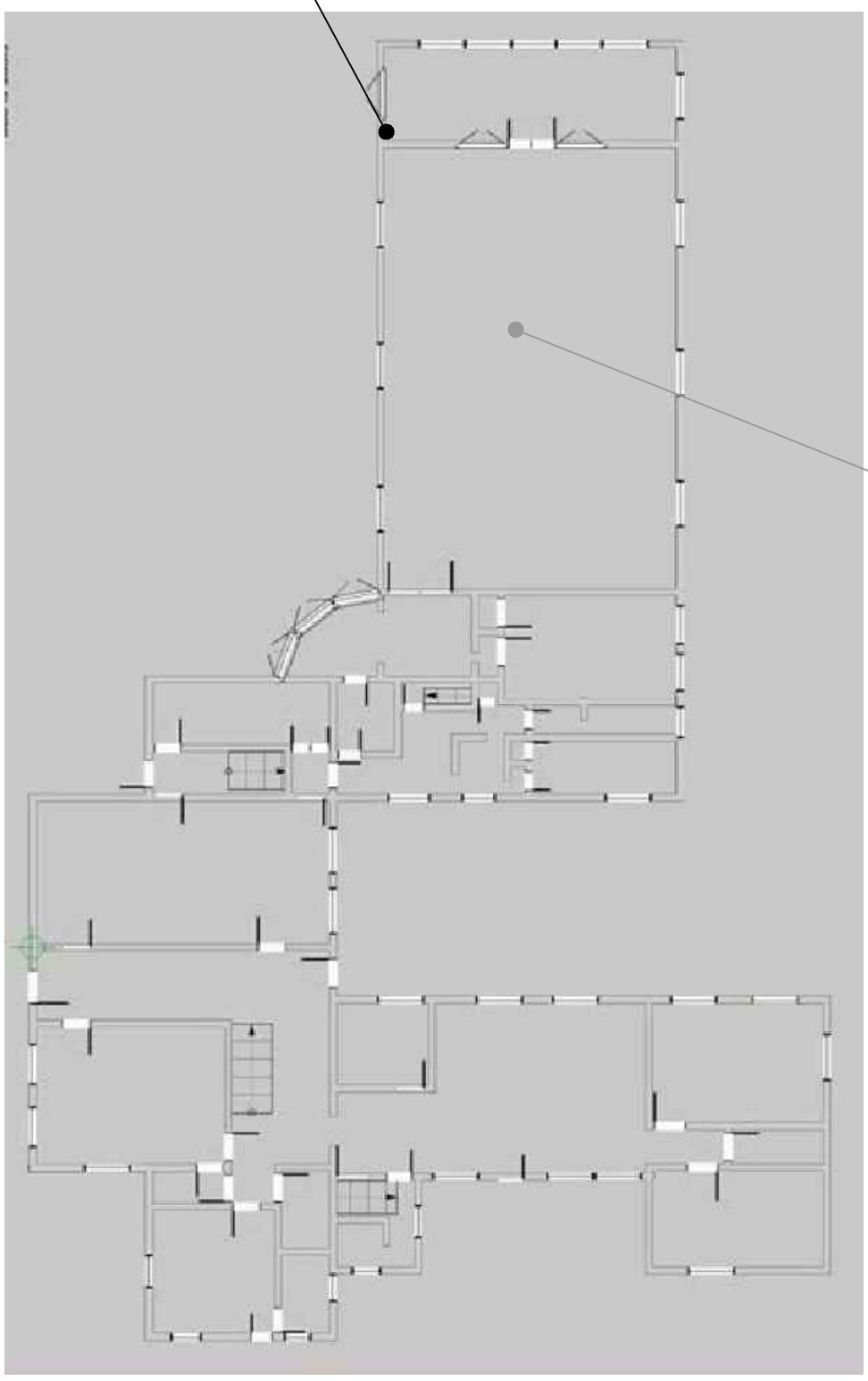
STATE OF NEW YORK CERTIFICATE OF AUTHORIZATION No. 17-082661

DATE

DESIGNED BY: TM
CHECKED BY: TM
RELEASED BY: GG

NO.	DESCRIPTION	DATE:	BY:	APR:

REVISIONS



LEGEND

00-00 DIRECT EXAMINATION SAMPLE LOCATION

00-00 IAQ SAMPLE LOCATION

MICROBIAL SAMPLE LOCATION PLAN
BEDFORD HOUSE - EXTERIOR

JOHN JAY HOMESTEAD STATE HISTORIC SITE
400 JAY STREET
KATONAH, NEW YORK 10536

PROJECT NUMBER: 23-0088
SCALE: NTS
DATE: 01/31/2024
FIGURE 23
SHEET 23 OF 24

MATRIXNEWORLD
Engineering Progress
Matrix New World Engineering, Land Surveying
and Landscape Architecture, P.C.
20 West 37th Street,12th Floor Tel: 973-240-1800
New York, New York 10018 Fax: 973-240-1818
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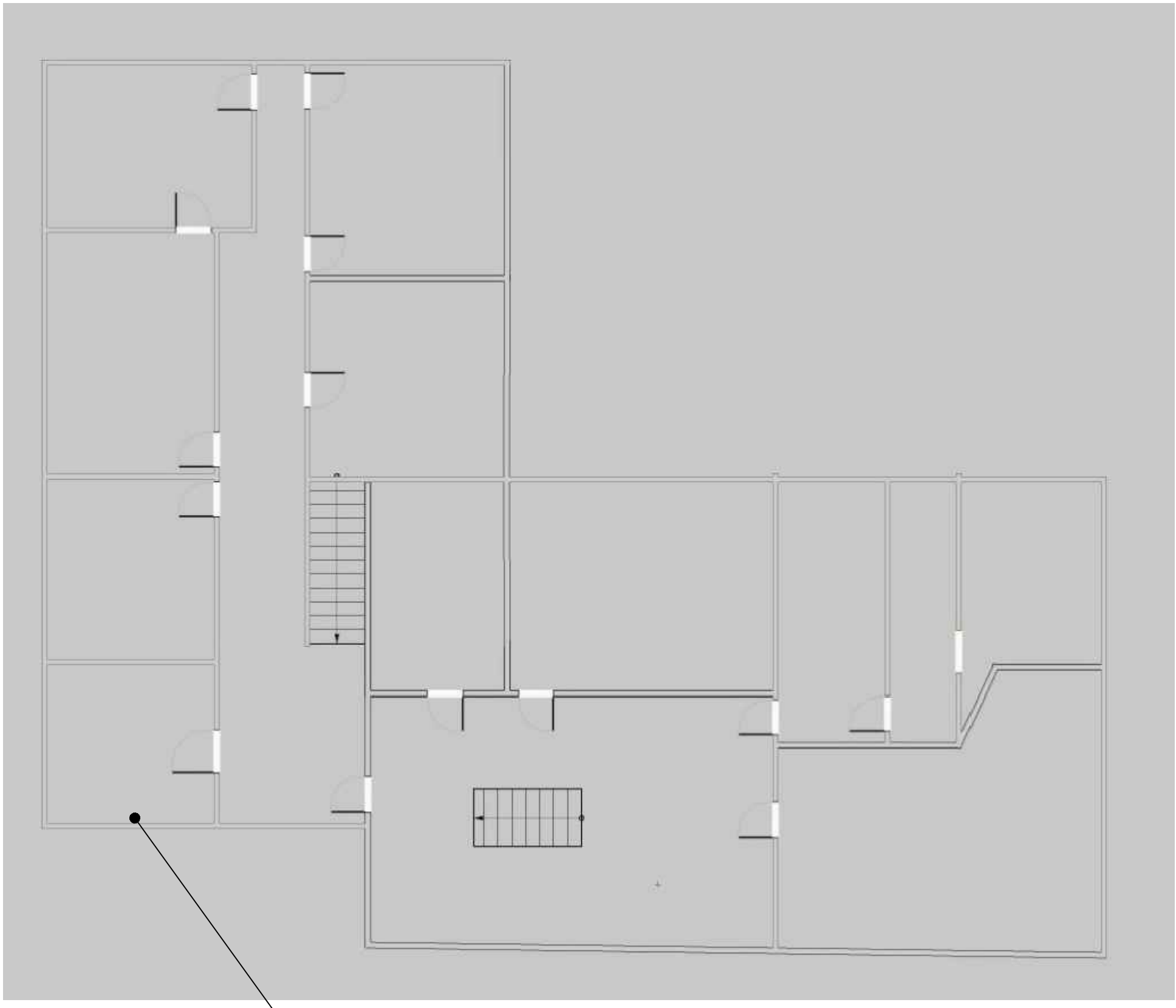
DATE

DESIGNED BY: TM
CHECKED BY: TM
RELEASED BY: GG

NO.	DESCRIPTION	DATE:	BY:	APR:

REVISIONS



LEGEND

00-00 DIRECT EXAMINATION SAMPLE LOCATION

00-00 IAQ SAMPLE LOCATION

MICROBIAL SAMPLE LOCATION PLAN
BEDFORD HOUSE - THIRD FLOOR

JOHN JAY HOMESTEAD STATE HISTORIC SITE
400 JAY STREET
KATONAH, NEW YORK 10536

PROJECT NUMBER: 23-0088

SCALE: NTS

DATE: 01/31/2024

FIGURE 24

SHEET 24 OF 24

MATRIXNEWORLD
Engineering Progress

Matrix New World Engineering, Land Surveying
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STATE OF NEW YORK CERTIFICATE OF AUTHORIZATION No. 17-082661

DATE

DESIGNED BY: TM

CHECKED BY: TM

RELEASED BY: GG

NO.	DESCRIPTION	DATE:	BY:	APR:

REVISIONS

APPENDIX A

Matrix New World Engineering, Land Surveying,
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New York, New York 10018
P: 973.240-1800 | F 973.240.1818

MATRIXNEWORLD
Engineering Progress

PHOTO LOG

Site: John Jay Homestead State Historic Site

Date(s): 8/23/23, 9/28/2023, and 1/04/2024

Matrix Project No. 23-0088

Photographer(s): TM

PHOTO 1

Material: Multi-Layer Wall Plaster (HA-SH-01-L1/L2/L2-T)

Location: School House - Throughout

PHOTO 2

Material: Multi-Layer Ceiling Plaster (HA-SH-02-L1/L2/L2-T)

Location: School House – First Floor

PHOTO 3

Material: Cementitious Repair (HA-SH-03)

Location: School House - Attic

PHOTO 4

Material: Stone Rubble Mortar (HA-SH-04)

Location: School House- Exterior

MATRIXNEWORLD
Engineering Progress

PHOTO LOG

Site: John Jay Homestead State Historic Site

Date(s): 8/23/23, 9/28/2023, and 1/04/2024

Matrix Project No. 23-0088

Photographer(s): TM

PHOTO 5

ACM: Exterior Window Glazing (HA-SH-05)
Location: School House - Exterior

PHOTO 6

Material: Multi-Layer Wall Plaster (HA-01-L1/L2)
Location: Brick Cottage - Throughout

PHOTO 7

Material: Multi-Layer Ceiling Plaster (HA-02-L1/L2)
Location: Brick Cottage - Throughout

PHOTO 8

Material: Window Glazing (HA-03)
Location: Brick Cottage - Throughout

MATRIXNEWORLD
Engineering Progress

PHOTO LOG

Site: John Jay Homestead State Historic Site

Date(s): 8/23/23, 9/28/2023, and 1/04/2024

Matrix Project No. 23-0088

Photographer(s): TM

PHOTO 9

Material: Wall Vapor Barrier (HA-04)

Location: Brick Cottage 1st Floor North Area Entrance

PHOTO 10

Material: Multi-Layer Wall Insulation (HA-05-L1/L2/L2-M)

Location: Brick Cottage 1st Floor North Area Entrance

PHOTO 11

ACM: Corrugated Insulation (HA-06)

Location: Brick Cottage Basement Ceiling

PHOTO 12

Material: Rubble Wall Mortar (HA-07)

Location: Brick Cottage First Floor

MATRIXNEWORLD
Engineering Progress

PHOTO LOG

Site: John Jay Homestead State Historic Site

Date(s): 8/23/23, 9/28/2023, and 1/04/2024

Matrix Project No. 23-0088

Photographer(s): TM

PHOTO 13

Material: Brick Mortar (HA-08)
Location: Brick Cottage First Floor

PHOTO 14

Material: White Paper Wall Insulation (HA-09)
Location: Brick Cottage First Floor

PHOTO 15

ACM: Flue Packing (HA-10)
Location: Brick Cottage Boiler Room

PHOTO 16

Material: Linoleum (HA-11)
Location: Brick Cottage First Floor

MATRIXNEWORLD
Engineering Progress

PHOTO LOG

Site: John Jay Homestead State Historic Site

Date(s): 8/23/23, 9/28/2023, and 1/04/2024

Matrix Project No. 23-0088

Photographer(s): TM

PHOTO 17

ACM: Wallpaper (HA-12)
Location: Brick Cottage First Floor

PHOTO 18

ACM: Corrugated Pipe Insulation (HA-13)
Location: Brick Cottage First Floor

PHOTO 19

Material: Waterproofing Membrane (HA-14)
Location: Brick Cottage First Floor

PHOTO 20

ACM: 12"x12" Self-Stick Floor Tile (HA-15)
Location: Brick Cottage Second Floor

MATRIXNEWORLD
Engineering Progress

PHOTO LOG

Site: John Jay Homestead State Historic Site

Date(s): 8/23/23, 9/28/2023, and 1/04/2024

Matrix Project No. 23-0088

Photographer(s): TM

PHOTO 21

Material: Remnant Tar Paper (HA-16)
Location: Brick Cottage Basement

PHOTO 22

ACM: Remnant Fibrous Paper (HA-17)
Location: Brick Cottage Basement

PHOTO 23

Material: Dishware Print Wallpaper (HA-18)
Location: Brick Cottage Room #5

PHOTO 24

Material: Green & White Striped Wallpaper (HA-19)
Location: Brick Cottage 2nd Floor Main Stair Landing

PHOTO LOG

Site: John Jay Homestead State Historic Site

Date(s): 8/23/23, 9/28/2023, and 1/04/2024

Matrix Project No. 23-0088

Photographer(s): TM

PHOTO 25

Material: White Wallpaper (HA-20)
Location: Brick Cottage 2nd Floor

PHOTO 26

Material: Flower Print Wallpaper (HA-21)
Location: Brick Cottage Room #13

PHOTO 27

Material: Pink Flower Print Wallpaper (HA-22)
Location: Brick Cottage Room #12

PHOTO 28

Material: White and Yellow Stripe Wallpaper (HA-23)
Location: Brick Cottage Room #12

MATRIXNEWORLD
Engineering Progress

PHOTO LOG

Site: John Jay Homestead State Historic Site

Date(s): 8/23/23, 9/28/2023, and 1/04/2024

Matrix Project No. 23-0088

Photographer(s): TM

PHOTO 29

Material: Strawberry Wallpaper (HA-24)
Location: Brick Cottage Room #09

PHOTO 30

Material: Blue Leaf Patterned Wallpaper (HA-25)
Location: Brick Cottage Intermediate Space

PHOTO 31

Material: Gray Linoleum (HA-26)
Location: Brick Cottage Intermediate Space

PHOTO 32

ACM: Rope Gasket to Boiler (HA-27)
Location: Brick Cottage First Floor

PHOTO LOG

Site: John Jay Homestead State Historic Site

Date(s): 8/23/23, 9/28/2023, and 1/04/2024

Matrix Project No. 23-0088

Photographer(s): TM

PHOTO 33

Material: Boiler Inner Box (HA-28)
Location: Brick Cottage First Floor

PHOTO 34

Material: Braided Wire Insulation (HA-29)
Location: Brick Cottage

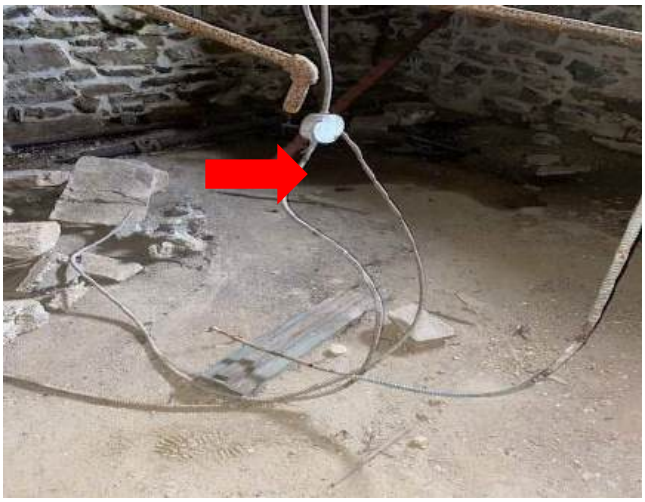

PHOTO 35

ACM: Window Glazing (HA-CH-01)
Location: Coachman House East Side Gable Window

PHOTO 36

Material: All Service Jacket to Fiberglass Pipe Insulation (HA-CH-02)
Location: Coachman House Basement

MATRIXNEWORLD
Engineering Progress

PHOTO LOG

Site: John Jay Homestead State Historic Site

Date(s): 8/23/23, 9/28/2023, and 1/04/2024

Matrix Project No. 23-0088

Photographer(s): TM

PHOTO 37

Material: Multi-Layer Wall Plaster (HA-BH-01-L1/L2)
Location: Bedford House - Throughout

PHOTO 38

Material: Multi-Layer Ceiling Plaster (HA-BH-02-L1/L2)
Location: Bedford House - Throughout

PHOTO 39

Material: Mudded Joint Insulation (HA-BH-03-L1/L2)
Location: Bedford House – Third Floor

PHOTO 40

Material: All Service Jacket to Fiberglass Pipe Insulation (HA-BH-04)
Location: Bedford House- Third Floor

MATRIXNEWORLD
Engineering Progress

PHOTO LOG

Site: John Jay Homestead State Historic Site

Date(s): 8/23/23, 9/28/2023, and 1/04/2024

Matrix Project No. 23-0088

Photographer(s): TM

PHOTO 41

Material: Exterior Window Glazing (HA-BH-05)
Location: Bedford House - Exterior

PHOTO 42

ACM: Multi-Layer Floor Tile Composite (HA-BH-06M/06)
Location: Bedford House – Second Floor

PHOTO 43

Material: Skim Coat to Rubble Wall (HA-BH-07)
Location: Bedford House - Basement

PHOTO 44

Material: Rubble Wall Mortar (HA-BH-08)
Location: Bedford House - Basement

MATRIXNEWORLD
Engineering Progress

PHOTO LOG

Site: John Jay Homestead State Historic Site

Date(s): 8/23/23, 9/28/2023, and 1/04/2024

Matrix Project No. 23-0088

Photographer(s): TM

PHOTO 45

Material: Ceramic Chimney Tile Grout and Mortar (HA-BH-09M/09G)

Location: Bedford House – 1st Floor Room B102

PHOTO 46

Material: Green Fern Patterned Wallpaper (HA-BH-10)

Location: Bedford House - 1st Floor Room B102

PHOTO 47

Material: Ceramic Chimney Tile Grout and Mortar (HA-BH-11M/11G)

Location: Bedford House – 1st Floor Room B104

PHOTO 48

Material: Brown Grape Leaf Patterned Wallpaper (HA-BH-12)

Location: Bedford House – 1st Floor Room B104

MATRIXNEWORLD
Engineering Progress

PHOTO LOG

Site: John Jay Homestead State Historic Site

Date(s): 8/23/23, 9/28/2023, and 1/04/2024

Matrix Project No. 23-0088

Photographer(s): TM

PHOTO 49

Material: Black & Gold Leaf Patterned Wallpaper (HA-BH-13)

Location: Bedford House – 1st Floor Room B105

PHOTO 50

Material: Tan Leaf Patterned Wallpaper (HA-BH-14)

Location: Bedford House – 1st Floor Room B106

PHOTO 51

Material: Blue Flower Pot Patterned Wallpaper (HA-BH-15)

Location: Bedford House – 1st Floor Room B204

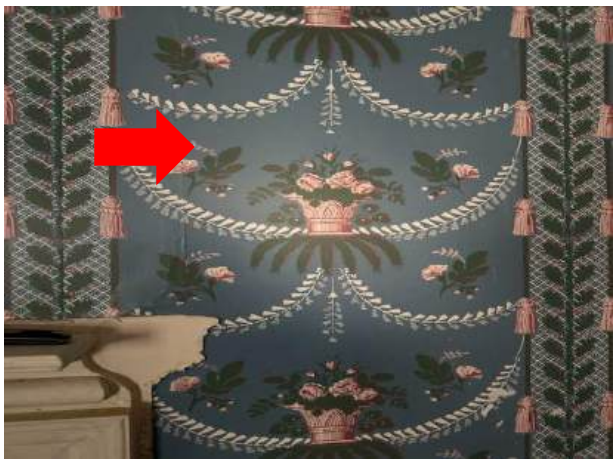

PHOTO 52

ACM: Corrugated Pipe Insulation and Associated Jacket (HA-BH-16-L1/L2)

Location: Bedford House – B17

MATRIXNEWORLD
Engineering Progress

PHOTO LOG

Site: John Jay Homestead State Historic Site

Date(s): 8/23/23, 9/28/2023, and 1/04/2024

Matrix Project No. 23-0088

Photographer(s): TM

PHOTO 53

Material: Chimney Liner (HA-BH-17)

Location: Bedford House – 1st Floor Room B16

PHOTO 54

Material: Carpet Glue (HA-BH-18)

Location: Bedford House – 1st Floor Room B128

PHOTO 55

Material: 12”x12” Tan Vinyl Floor Tile and Mastic (HA-BH-19/19M)

Location: Bedford House – 1st Floor Room B115

PHOTO 56

Material: Main Roof Composite (HA-BH-20-L1/L2)

Location: Bedford House – Main Roof

APPENDIX B

EMSL Analytical, Inc.
200 Route 130 North Cinnaminson, NJ 08077
Tel/Fax: (800) 220-3675 / (856) 786-5974
http://www.EMSL.com / cinnasblab@EMSL.com

EMSL Order: 042323554
Customer ID: MATX53
Customer PO:
Project ID:

Attention: Matt Sheldon
Matrix New World Engineering
26 Columbia Turnpike
Florham Park, NJ 07932

Phone: (732) 670-4492
Fax: (973) 240-1818
Received Date: 09/28/2023 8:05 PM
Analysis Date: 10/01/2023
Collected Date: 09/28/2023

Project: 23-0088-School House / Beyer Blinder Belle Architects and Planners / NYSOPRHP John Jay Homestead Site / 400 Jay Street, Katonah, New York

Test Report:Asbestos Analysis of Bulk Material

Test	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos
Sample ID SH-01-01-L1 *042323554-0001*		**Description** First Floor - Wall Plaster - Scratch Coat **Homogeneity** Homogeneous			
PLM NYS 198.1 Friable	10/01/2023	Gray	6.00% Hair	3.00% Mica 91.00% Non-fibrous (other)	**None Detected**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB					**Not Analyzed**
Sample ID SH-01-02-L1 *042323554-0002*		**Description** First Floor - Wall Plaster - Scratch Coat **Homogeneity** Homogeneous			
PLM NYS 198.1 Friable	10/01/2023	Gray	6.00% Hair	3.00% Mica 91.00% Non-fibrous (other)	**None Detected**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB					**Not Analyzed**
Sample ID SH-01-03-L1 *042323554-0003*		**Description** Attic Stairs - Wall Plaster - Scratch Coat **Homogeneity** Homogeneous			
PLM NYS 198.1 Friable	10/01/2023	Gray	3.00% Hair	97.00% Non-fibrous (other)	**None Detected**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB					**Not Analyzed**
Sample ID SH-01-01-L2-Finish Coat *042323554-0004*		**Description** First Floor - Wall Plaster - Finish Coat **Homogeneity** Homogeneous			
PLM NYS 198.1 Friable	10/01/2023	White		100.00% Non-fibrous (other)	**None Detected**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB					**Not Analyzed**
Sample ID SH-01-01-L2-Texture *042323554-0004A*		**Description** First Floor - Wall Plaster - Texture **Homogeneity** Homogeneous			
PLM NYS 198.1 Friable	10/01/2023	White		100.00% Non-fibrous (other)	**None Detected**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB					**Not Analyzed**

Initial report from: 10/02/2023 07:32:36

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http://www.EMSL.com / cinnasblab@EMSL.com

EMSL Order: 042323554
Customer ID: MATX53
Customer PO:
Project ID:

Test Report:Asbestos Analysis of Bulk Material

Test	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos
Sample ID SH-01-02-L2-Finish Coat *042323554-0005*		**Description** First Floor - Wall Plaster - Finish Coat **Homogeneity** Homogeneous			
PLM NYS 198.1 Friable	10/01/2023	White		100.00% Non-fibrous (other)	**None Detected**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB					**Not Analyzed**
Sample ID SH-01-02-L2-Texture *042323554-0005A*		**Description** First Floor - Wall Plaster - Texture **Homogeneity** Homogeneous			
PLM NYS 198.1 Friable	10/01/2023	White		100.00% Non-fibrous (other)	**None Detected**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB					**Not Analyzed**
Sample ID SH-01-03-L2-Finish Coat *042323554-0006*		**Description** Attic Stairs - Wall Plaster - Finish Coat **Homogeneity** Homogeneous			
PLM NYS 198.1 Friable	10/01/2023	White		100.00% Non-fibrous (other)	**None Detected**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB					**Not Analyzed**
Sample ID SH-01-03-L2-Texture *042323554-0006A*		**Description** Attic Stairs - Wall Plaster - Texture **Homogeneity** Homogeneous			
PLM NYS 198.1 Friable	10/01/2023	White		100.00% Non-fibrous (other)	**None Detected**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB					**Not Analyzed**
Sample ID SH-02-01-L1 *042323554-0007*		**Description** First Floor - Ceiling Plaster - Scratch Coat **Homogeneity** Homogeneous			
PLM NYS 198.1 Friable	10/01/2023	Brown/ Gray	40.00% Hair	60.00% Non-fibrous (other)	**None Detected**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB					**Not Analyzed**
Sample ID SH-02-02-L1 *042323554-0008*		**Description** First Floor - Ceiling Plaster - Scratch Coat **Homogeneity** Homogeneous			
PLM NYS 198.1 Friable	10/01/2023	Gray	10.00% Hair	90.00% Non-fibrous (other)	**None Detected**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB					**Not Analyzed**

Initial report from: 10/02/2023 07:32:36

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http://www.EMSL.com / cinnasblab@EMSL.com

EMSL Order:	042323554
Customer ID:	MATX53
Customer PO:	
Project ID:	

Test Report:Asbestos Analysis of Bulk Material

Test	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos
Sample ID SH-02-03-L1		**Description**	First Floor - Ceiling Plaster - Scratch Coat		
042323554-0009		**Homogeneity**	Homogeneous		
PLM NYS 198.1 Friable	10/01/2023	Gray	3.00% Hair	97.00% Non-fibrous (other)	**None Detected**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB					**Not Analyzed**
Sample ID SH-02-01-L2-Finish Coat		**Description**	First Floor - Ceiling Plaster - Finish Coat		
042323554-0010		**Homogeneity**	Homogeneous		
PLM NYS 198.1 Friable	10/01/2023	White		100.00% Non-fibrous (other)	**None Detected**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB					**Not Analyzed**
Sample ID SH-02-01-L2-Texture		**Description**	First Floor - Ceiling Plaster - Texture		
042323554-0010A		**Homogeneity**	Homogeneous		
PLM NYS 198.1 Friable	10/01/2023	White		100.00% Non-fibrous (other)	**None Detected**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB					**Not Analyzed**
Sample ID SH-02-02-L2		**Description**	First Floor - Ceiling Plaster - Finish Coat		
042323554-0011		**Homogeneity**	Homogeneous		
PLM NYS 198.1 Friable	10/01/2023	White		100.00% Non-fibrous (other)	**None Detected**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB					**Not Analyzed**
Sample ID SH-02-03-L2		**Description**	First Floor - Ceiling Plaster - Finish Coat		
042323554-0012		**Homogeneity**	Homogeneous		
PLM NYS 198.1 Friable	10/01/2023	White		100.00% Non-fibrous (other)	**None Detected**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB					**Not Analyzed**
Sample ID SH-03-01		**Description**	Attic Stairs - Cementitious Repair		
042323554-0013		**Homogeneity**	Heterogeneous		
PLM NYS 198.1 Friable	10/01/2023	Gray/ White		100.00% Non-fibrous (other)	**None Detected**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB					**Not Analyzed**

Initial report from: 10/02/2023 07:32:36

EMSL Analytical, Inc.
200 Route 130 North Cinnaminson, NJ 08077
Tel/Fax: (800) 220-3675 / (856) 786-5974
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EMSL Order:	042323554
Customer ID:	MATX53
Customer PO:	
Project ID:	

Test Report:Asbestos Analysis of Bulk Material

Test	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos
Sample ID SH-03-02 *042323554-0014*		**Description** Attic - Cementitious Repair **Homogeneity** Heterogeneous			
PLM NYS 198.1 Friable	10/01/2023	Gray/ White		100.00% Non-fibrous (other)	**None Detected**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB					**Not Analyzed**
Sample ID SH-03-03 *042323554-0015*		**Description** Attic - Cementitious Repair **Homogeneity** Homogeneous			
PLM NYS 198.1 Friable	10/01/2023	Gray/ White		100.00% Non-fibrous (other)	**None Detected**
Inseparable paint / coating layer included in analysis					
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB					**Not Analyzed**
Sample ID SH-04-01 *042323554-0016*		**Description** Exterior A - Stone Rubble Mortar **Homogeneity** Homogeneous			
PLM NYS 198.1 Friable	10/01/2023	Gray		100.00% Non-fibrous (other)	**None Detected**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB					**Not Analyzed**
Sample ID SH-04-02 *042323554-0017*		**Description** Exterior D - Stone Rubble Mortar **Homogeneity** Homogeneous			
PLM NYS 198.1 Friable	10/01/2023	Gray		100.00% Non-fibrous (other)	**None Detected**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB					**Not Analyzed**
Sample ID SH-05-01 *042323554-0018*		**Description** East Side Gable Window - Exterior Window Glazing **Homogeneity** Homogeneous			
PLM NYS 198.1 Friable					**Not Analyzed**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB	10/01/2023	White		100.00% Other	**Inconclusive: None Detected**
TEM NYS 198.4 NOB					**Not Analyzed**
Sample ID SH-05-02 *042323554-0019*		**Description** East Side Gable Window - Exterior Window Glazing **Homogeneity** Homogeneous			
PLM NYS 198.1 Friable					**Not Analyzed**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB	10/01/2023	White	None	98.50% Other	**1.50% Chrysotile**
The sample group is not homogeneous					
TEM NYS 198.4 NOB					**Not Analyzed**

Initial report from: 10/02/2023 07:32:36

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EMSL Order:	042323554
Customer ID:	MATX53
Customer PO:	
Project ID:	

Test Report:Asbestos Analysis of Bulk Material

The samples in this report were submitted to EMSL for analysis by Asbestos Analysis of Bulk Materials via NYS ELAP Approved Methods. The reference number for these samples is the EMSL Order ID above. Please use this reference number when calling about these samples.

Report Comments:

Sample Receipt Date:	9/28/2023	Sample Receipt Time:	8:05 PM
Analysis Completed Date:	10/1/2023	Analysis Completed Time:	6:58 PM

Analyst(s):

Brett Polumbo PLM NYS 198.1 Friable (7)

Michael Bocchicchio PLM NYS 198.1 Friable (14)

Brett Polumbo PLM NYS 198.6 NOB (1)

Michael Bocchicchio PLM NYS 198.6 NOB (1)

Samples reviewed and approved by:

Samantha Rundstrom, Laboratory Manager
or Other Approved Signatory

Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ NYS ELAP 10872, PA ID# 68-00367, NVLAP Lab Code 101048-0

Initial report from: 10/02/2023 07:32:36

OrderID: 042323554

EMSL ANALYTICAL, INC.
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Asbestos Chain of Custody

EMSL Order Number (*Lab Use Only*): 042323554

EMSL ANALYTICAL, INC.
200 ROUTE 130 NORTH
CINNAMINSON, NJ 08077
PHONE: (800) 220-3675
FAX: (856) 786-5974

Company : Matrix New World	**EMSL-Bill to:** ☐ Same ☐ Different If Bill to is Different note instructions in Comments** *Third Party Billing requires written authorization from third party*
Street: 26 Columbia Turnpike	
City: Florham Park **State/Province:** NJ	**Zip/Postal Code:** **Country:**
Report To (Name): Matthew Sheldon	**Telephone #:**
Email Address: Hazmat.labs@matrixneworld.com	**Fax #:** **Purchase Order:**
Project Name/Number: 23-0088 – School House	**Please Provide Results:** ☐ Fax ☐ Email ☐ Mail
U.S. State Samples Taken: NY	**Connecticut Samples:** ☐ Commercial ☐ Residential

Turnaround Time (TAT) Options* – Please Check

☐ 3 Hour ☐ 6 Hour ☐ 24 Hour ☒ 48 Hour ☐ 72 Hour ☐ 96 Hour ☐ 1 Week ☐ 2 Week

*For TEM Air 3 hr through 6 hr, please call ahead to schedule. *There is a premium charge for 3 Hour TEM AHERA or EPA Level II TAT. You will be asked to sign an authorization form for this service. Analysis completed in accordance with EMSL's Terms and Conditions located in the Analytical Price Guide.

RECEIVED EMSL CINNAMINSON, N.J. SEP 28 '23 8:00

PCM - Air ☐ Check if samples are from NY
- ☐ NIOSH 7400
- ☐ w/ OSHA 8hr. TWA

PLM - Bulk (reporting limit)
- ☐ PLM EPA 600/R-93/116 (<1%)
- ☐ PLM EPA NOB (<1%)

Point Count
- ☐ 400 (<0.25%) ☐ 1000 (<0.1%)

Point Count w/Gravimetric
- ☐ 400 (<0.25%) ☐ 1000 (<0.1%)
- ☑ NYS 198.1 (friable in NY)
- ☑ NYS 198.6 NOB (non-friable-NY)
- ☐ NIOSH 9002 (<1%)

TEM – Air ☐ 4-4.5hr TAT (AHERA only)
- ☐ AHERA 40 CFR, Part 763
- ☐ NIOSH 7402
- ☐ EPA Level II
- ☐ ISO 10312

TEM - Bulk
- ☐ TEM EPA NOB
- ☑ NYS NOB 198.4 (non-friable-NY)
- ☐ Chatfield SOP
- ☐ TEM Mass Analysis-EPA 600 sec. 2.5

TEM – Water: EPA 100.2
- Fibers >10µm ☐ Waste ☐ Drinking
- All Fiber Sizes ☐ Waste ☐ Drinking

TEM- Dust
- ☐ Microvac - ASTM D5755
- ☐ Wipe - ASTM D6480
- ☐ Carpet Sonication (EPA 600/J-93/167)

Soil/Rock/Vermiculite
- ☐ PLM CARB 435 - A (0.25% sensitivity)
- ☐ PLM CARB 435 - B (0.1% sensitivity)
- ☐ TEM CARB 435 - B (0.1% sensitivity)
- ☐ TEM CARB 435 - C (0.01% sensitivity)
- ☐ TEM Qual. via Filtration Technique
- ☐ TEM Qual. via Drop-Mount Technique

Other:
- ☐

☑ **Check For Positive Stop – Clearly Identify Homogenous Group** **Filter Pore Size (Air Samples):** ☐ 0.8µm ☐ 0.45µm

Samplers Name: M. Salas Cesilk **Samplers Signature:**

Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled

Client Sample # (s): SH-01-01-21 - SH-05-02 **Total # of Samples:** 19

Relinquished (Client): DB **Date:** 9/28/23 **Time:** 1955

Received (Lab): DB **Date:** 9/28/23 **Time:** 805p

Comments/Special Instructions:

MATRIXNEWORLD
Engineering Progress

Matrix New World Engineering, Land Surveying,
and Landscape Architecture, PC
20 West 37th Street, 12th Floor
New York, New York 10018

BULK SAMPLE DATA AND CHAIN OF CUSTODY FORM

042323554

PROJECT INFORMATION

Client:	Beyer Blinder Belle Architects & Planners
Project Name:	NYSOPRHP John Jay Homestead Site
Address:	400 Jay Street Katonah, New York
Date:	9/28/23
Email Results to:	Hazmat.Labs@matrixneworld.com

Matrix Project No.: 23-0088

Requested Analysis:
- [x] NYS ELAP 198.1 — [ ] EPA/600/R-93
- [x] NYS ELAP 198.4 — [ ] PLM EPA NOB-EPA/600/R-93
- [x] NYS ELAP 198.6 — [ ] TEM EPA NOB - EPA 600/R-93
- [ ] NYS ELAP 198.8 — [ ] Other (specify)

Project Manager: M. Sheldon
Investigator(s): M. Ceselka, T. MacGillivray, J. Toth

Turn Around Time:
- [ ] STAT
- [ ] 24 Hour
- [x] 48 Hour
- [ ] 72 Hour
- [ ] 5 Day
- [ ] 1 Week
- [ ] Other (specify)

BULK SAMPLE INFORMATION

HA No.	Floor	Bulk Sample ID No.	Homogeneous Material	Material Type	Sample Location	Quantity (FT/FT²/Each)	Asbestos Content	Analysis: PLM	PLM-NOB	TEM
SH-01		SH-01-01-L1	Wall Plaster (scratch coat)	Surf	First Floor			X		
		SH-01-02-L1						X		
		SH-01-03-L1			Attic Stairs			X		
		SH-01-01-L2	Wall Plaster (Finish Coat)		First Floor			X		
		SH-01-02-L2			First ~~Attic Stairs~~ Floor			X		
		SH-01-03-L2			Attic Stairs			X		
	SH-02	SH-02-01-L1	Ceiling Plaster (scratch Coat)	Surf	First Floor			X		
		SH-02-02-L1						X		
		SH-02-03-L1						X		
		SH-02-01-L2	Ceiling Plaster (Finish Coat)					X		
		SH-02-02-L2						X		
		SH-02-03-L2						X		
SH-03		SH-03-01	Cementitious Repair		Attic Stairs			X		
		SH-03-02			Attic			X		
		SH-03-03						X		
	SH-04	SH-04-01	Stone Rubble Mortar	Misc	Exterior A			X		
~~SH-04~~		SH-04-02			Exterior D			X		
SH-05		SH-05-01	Exterior Window Glazing		East Side Gable Window				X	X
		SH-05-02							X	X

RECEIVED
EMSL
CINNAMINSON, N.J.
2023 SEP 28 P 8:06

CHAIN OF CUSTODY

Relinquished By:		Date / Time:
I.	(Signature)	
	(Print) Tyler MacGillivray	9/28/23
II.	(Signature)	
	(Print)	

Received By:		Date / Time:
I.	(Signature)	
	(Print)	
II.	(Signature)	
	(Print)	

Additional Notes:
* Stop at first positive for each homogeneous material as specified.
*Analyze by Layer. If PLM-NOB is inconclusive, re-analyze by TEM.
*Contact Project Manager Before Performing Method 198.8 unless otherwise specified.

EMSL Analytical, Inc.
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http://www.EMSL.com / cinnasblab@EMSL.com

EMSL Order: 042323437
Customer ID: MATX53
Customer PO:
Project ID:

Attention: Matthew Sheldon
Matrix New World Engineering
26 Columbia Turnpike
Florham Park, NJ 07932

Phone: (973) 240-1800
Fax: (973) 240-1818
Received Date: 09/27/2023 5:25 PM
Analysis Date: 10/01/2023 - 10/03/2023
Collected Date:

Project: 23-0088 / Beyer Blinder Belle Architects and Planners / NYSOPRHP John Jay Homestead Site / John Jay Brick Cottage / 400 Jay Street, Katonah, New York

Test Report:Asbestos Analysis of Bulk Material

Test	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos
Sample ID 01-01-L1 *042323437-0001*		**Description** 1st Floor Living Room Area - Wall Plaster - Scratch Coat **Homogeneity** Homogeneous			
PLM NYS 198.1 Friable	10/01/2023	Gray	2.00% Cellulose	98.00% Non-fibrous (other)	**None Detected**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB					**Not Analyzed**
Sample ID 01-02-L1 *042323437-0002*		**Description** 1st Floor West Room by Fireplace - Wall Plaster - Scratch Coat **Homogeneity** Homogeneous			
PLM NYS 198.1 Friable	10/01/2023	Gray	2.00% Cellulose	98.00% Non-fibrous (other)	**None Detected**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB					**Not Analyzed**
Sample ID 01-03-L1 *042323437-0003*		**Description** 1st Floor West Room by Fireplace - Wall Plaster - Scratch Coat **Homogeneity** Homogeneous			
PLM NYS 198.1 Friable	10/01/2023	Gray	5.00% Hair	95.00% Non-fibrous (other)	**None Detected**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB					**Not Analyzed**
Sample ID 01-04-L1 *042323437-0004*		**Description** 2nd Floor Bathroom East - Wall Plaster - Scratch Coat **Homogeneity** Homogeneous			
PLM NYS 198.1 Friable	10/01/2023	Gray		100.00% Non-fibrous (other)	**None Detected**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB					**Not Analyzed**
Sample ID 01-05-L1 *042323437-0005*		**Description** 2nd Floor Bathroom West - Wall Plaster - Scratch Coat **Homogeneity** Homogeneous			
PLM NYS 198.1 Friable	10/01/2023	Gray		100.00% Non-fibrous (other)	**None Detected**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB					**Not Analyzed**

Initial report from: 10/03/2023 14:57:05

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EMSL Order: 042323437
Customer ID: MATX53
Customer PO:
Project ID:

Test Report:Asbestos Analysis of Bulk Material

Test	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos
Sample ID 01-06-L1 *042323437-0006*		**Description** 2nd Floor Bathroom West - Wall Plaster - Scratch Coat **Homogeneity** Homogeneous			
PLM NYS 198.1 Friable	10/01/2023	Gray	2.00% Cellulose	98.00% Non-fibrous (other)	**None Detected**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB					**Not Analyzed**
Sample ID 01-07-L1 *042323437-0007*		**Description** 2nd Floor Bathroom West - Wall Plaster - Scratch Coat **Homogeneity** Homogeneous			
PLM NYS 198.1 Friable	10/02/2023	Gray		100.00% Non-fibrous (other)	**None Detected**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB					**Not Analyzed**
Sample ID 01-01-L2 *042323437-0008*		**Description** 1st Floor Living Room Area - Wall Plaster - Finish Coat **Homogeneity** Homogeneous			
PLM NYS 198.1 Friable	10/01/2023	White		100.00% Non-fibrous (other)	**None Detected**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB					**Not Analyzed**
Sample ID 01-02-L2 *042323437-0009*		**Description** 1st Floor West Room by Fireplace - Wall Plaster - Finish Coat **Homogeneity** Homogeneous			
PLM NYS 198.1 Friable	10/01/2023	White		100.00% Non-fibrous (other)	**None Detected**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB					**Not Analyzed**
Sample ID 01-03-L2 *042323437-0010*		**Description** 1st Floor West Room by Fireplace - Wall Plaster - Finish Coat **Homogeneity** Homogeneous			
PLM NYS 198.1 Friable	10/01/2023	White		100.00% Non-fibrous (other)	**None Detected**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB					**Not Analyzed**
Sample ID 01-04-L2 *042323437-0011*		**Description** 2nd Floor Bathroom East - Wall Plaster - Finish Coat **Homogeneity** Homogeneous			
PLM NYS 198.1 Friable	10/01/2023	White	4.00% Hair	96.00% Non-fibrous (other)	**None Detected**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB					**Not Analyzed**

Initial report from: 10/03/2023 14:57:05

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EMSL Order:	042323437
Customer ID:	MATX53
Customer PO:	
Project ID:	

Test Report:Asbestos Analysis of Bulk Material

Test	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos
Sample ID 01-05-L2 *042323437-0012*		**Description** 2nd Floor Bathroom West - Wall Plaster - Finish Coat **Homogeneity** Homogeneous			
PLM NYS 198.1 Friable	10/01/2023	White		100.00% Non-fibrous (other)	**None Detected**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB					**Not Analyzed**
Sample ID 01-06-L2 *042323437-0013*		**Description** 2nd Floor Bathroom West - Wall Plaster - Finish Coat **Homogeneity** Homogeneous			
PLM NYS 198.1 Friable	10/01/2023	White		100.00% Non-fibrous (other)	**None Detected**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB					**Not Analyzed**
Sample ID 01-07-L2 *042323437-0014*		**Description** 2nd Floor Bathroom West - Wall Plaster - Finish Coat **Homogeneity** Homogeneous			
PLM NYS 198.1 Friable	10/02/2023	White		100.00% Non-fibrous (other)	**None Detected**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB					**Not Analyzed**
Sample ID 02-01-L1 *042323437-0015*		**Description** 1st Floor Living Room Area - Ceiling Plaster - Scratch Coat **Homogeneity** Homogeneous			
PLM NYS 198.1 Friable	10/02/2023	Gray		100.00% Non-fibrous (other)	**None Detected**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB					**Not Analyzed**
Sample ID 02-02-L1 *042323437-0016*		**Description** 1st Floor Living Room Area - Ceiling Plaster - Scratch Coat **Homogeneity** Homogeneous			
PLM NYS 198.1 Friable	10/02/2023	Gray		100.00% Non-fibrous (other)	**None Detected**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB					**Not Analyzed**
Sample ID 02-03-L1 *042323437-0017*		**Description** 2nd Floor Bathroom East - Ceiling Plaster - Scratch Coat **Homogeneity** Homogeneous			
PLM NYS 198.1 Friable	10/02/2023	Gray		100.00% Non-fibrous (other)	**None Detected**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB					**Not Analyzed**

Initial report from: 10/03/2023 14:57:05

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EMSL Order: 042323437
Customer ID: MATX53
Customer PO:
Project ID:

Test Report:Asbestos Analysis of Bulk Material

Test	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos
Sample ID 02-04-L1 *042323437-0018*		**Description** 2nd Floor Bathroom West - Ceiling Plaster - Scratch Coat **Homogeneity** Homogeneous			
PLM NYS 198.1 Friable	10/02/2023	Gray		100.00% Non-fibrous (other)	**None Detected**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB					**Not Analyzed**
Sample ID 02-05-L1 *042323437-0019*		**Description** 2nd Floor Bathroom West - Ceiling Plaster - Scratch Coat **Homogeneity** Homogeneous			
PLM NYS 198.1 Friable	10/02/2023	Gray	5.00% Cellulose	3.00% Mica 92.00% Non-fibrous (other)	**None Detected**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB					**Not Analyzed**
Sample ID 02-06-L1 *042323437-0020*		**Description** 2nd Floor Bathroom West - Ceiling Plaster - Scratch Coat **Homogeneity** Homogeneous			
PLM NYS 198.1 Friable	10/02/2023	Gray		3.00% Mica 97.00% Non-fibrous (other)	**None Detected**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB					**Not Analyzed**
Sample ID 02-07-L1 *042323437-0021*		**Description** 2nd Floor West Side South Room - Ceiling Plaster - Scratch Coat **Homogeneity** Homogeneous			
PLM NYS 198.1 Friable	10/02/2023	Gray		100.00% Non-fibrous (other)	**None Detected**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB					**Not Analyzed**
Sample ID 02-01-L2 *042323437-0022*		**Description** 1st Floor Living Room Area - Ceiling Plaster - Finish Coat **Homogeneity** Homogeneous			
PLM NYS 198.1 Friable	10/02/2023	White		100.00% Non-fibrous (other)	**None Detected**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB					**Not Analyzed**
Sample ID 02-02-L2 *042323437-0023*		**Description** 1st Floor Living Room Area - Ceiling Plaster - Finish Coat **Homogeneity** Homogeneous			
PLM NYS 198.1 Friable	10/02/2023	White		100.00% Non-fibrous (other)	**None Detected**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB					**Not Analyzed**

Initial report from: 10/03/2023 14:57:05

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EMSL Order: 042323437
Customer ID: MATX53
Customer PO:
Project ID:

Test Report:Asbestos Analysis of Bulk Material

Test	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos
Sample ID 02-03-L2 *042323437-0024*		**Description** 2nd Floor Bathroom East - Ceiling Plaster - Finish Coat **Homogeneity** Homogeneous			
PLM NYS 198.1 Friable	10/02/2023	White		100.00% Non-fibrous (other)	**None Detected**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB					**Not Analyzed**
Sample ID 02-04-L2 *042323437-0025*		**Description** 2nd Floor Bathroom West - Ceiling Plaster - Finish Coat **Homogeneity** Homogeneous			
PLM NYS 198.1 Friable	10/02/2023	White		100.00% Non-fibrous (other)	**None Detected**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB					**Not Analyzed**
Sample ID 02-05-L2 *042323437-0026*		**Description** 2nd Floor Bathroom West - Ceiling Plaster - Finish Coat **Homogeneity** Homogeneous			
PLM NYS 198.1 Friable	10/02/2023	White		100.00% Non-fibrous (other)	**None Detected**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB					**Not Analyzed**
Sample ID 02-06-L2 *042323437-0027*		**Description** 2nd Floor Bathroom West - Ceiling Plaster - Finish Coat **Homogeneity** Homogeneous			
PLM NYS 198.1 Friable	10/02/2023	White		100.00% Non-fibrous (other)	**None Detected**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB					**Not Analyzed**
Sample ID 02-07-L2 *042323437-0028*		**Description** 2nd Floor West Side South Room - Ceiling Plaster - Finish Coat **Homogeneity** Homogeneous			
PLM NYS 198.1 Friable	10/02/2023	White		100.00% Non-fibrous (other)	**None Detected**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB					**Not Analyzed**
Sample ID 03-01 *042323437-0029*		**Description** Exterior Façade South - Window Glazing **Homogeneity** Homogeneous			
PLM NYS 198.1 Friable					**Not Analyzed**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB	10/01/2023	White	<1.00% Fibrous (other)	100.00% Other	**Inconclusive: None Detected**
TEM NYS 198.4 NOB	10/03/2023	White	None	100.00% Other	**<1% Anthophyllite**

Initial report from: 10/03/2023 14:57:05

EMSL Analytical, Inc.
200 Route 130 North Cinnaminson, NJ 08077
Tel/Fax: (800) 220-3675 / (856) 786-5974
http://www.EMSL.com / cinnasblab@EMSL.com

EMSL Order: 042323437
Customer ID: MATX53
Customer PO:
Project ID:

Test Report:Asbestos Analysis of Bulk Material

Test	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos
Sample ID 03-02 *042323437-0030*		**Description** Exterior Façade North - Window Glazing **Homogeneity** Homogeneous			
PLM NYS 198.1 Friable					**Not Analyzed**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB	10/02/2023	White	<1.00% Fibrous (other)	100.00% Other	**Inconclusive: None Detected**
TEM NYS 198.4 NOB	10/03/2023	White	None	100.00% Other	**<1% Anthophyllite**
Sample ID 04-01 *042323437-0031*		**Description** 1st Floor North Area Entrance - Wall Vapor Barrier **Homogeneity** Homogeneous			
PLM NYS 198.1 Friable					**Not Analyzed**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB	10/01/2023	Black		100.00% Other	**Inconclusive: None Detected**
TEM NYS 198.4 NOB	10/03/2023	Black		100.00% Other	**None Detected**
Sample ID 04-02 *042323437-0032*		**Description** 1st Floor North Area Entrance - Wall Vapor Barrier **Homogeneity** Homogeneous			
PLM NYS 198.1 Friable					**Not Analyzed**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB	10/02/2023	Black		100.00% Other	**Inconclusive: None Detected**
TEM NYS 198.4 NOB	10/03/2023	Black		100.00% Other	**None Detected**
Sample ID 05-01-L1 *042323437-0033*		**Description** 1st Floor North Area Entrance - Brown Paper Wall Insulation **Homogeneity** Homogeneous			
PLM NYS 198.1 Friable	10/02/2023	Brown	95.00% Cellulose	5.00% Non-fibrous (other)	**None Detected**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB					**Not Analyzed**
Sample ID 05-02-L1 *042323437-0034*		**Description** 1st Floor North Area Entrance - Brown Paper Wall Insulation **Homogeneity** Homogeneous			
PLM NYS 198.1 Friable	10/02/2023	Brown	95.00% Cellulose	5.00% Non-fibrous (other)	**None Detected**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB					**Not Analyzed**
Sample ID 05-03-L1 *042323437-0035*		**Description** 1st Floor North Area Entrance - Brown Paper Wall Insulation **Homogeneity** Homogeneous			
PLM NYS 198.1 Friable	10/02/2023	Brown	95.00% Cellulose	5.00% Non-fibrous (other)	**None Detected**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB					**Not Analyzed**

Initial report from: 10/03/2023 14:57:05

EMSL Analytical, Inc.
200 Route 130 North Cinnaminson, NJ 08077
Tel/Fax: (800) 220-3675 / (856) 786-5974
http://www.EMSL.com / cinnasblab@EMSL.com

EMSL Order:	042323437
Customer ID:	MATX53
Customer PO:	
Project ID:	

Test Report:Asbestos Analysis of Bulk Material

Test	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos
Sample ID 05-01-L2-Insulation *042323437-0036*		**Description** 1st Floor North Area Entrance - Metallic Paper Wall Insulation **Homogeneity** Homogeneous			
PLM NYS 198.1 Friable	10/03/2023	Brown	95.00% Cellulose	5.00% Non-fibrous (other)	**None Detected**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB					**Not Analyzed**
Sample ID 05-01-L2-Mastic *042323437-0036A*		**Description** 1st Floor North Area Entrance - Mastic **Homogeneity** Heterogeneous			
PLM NYS 198.1 Friable					**Not Analyzed**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB	10/03/2023	Black		100.00% Other	**Inconclusive: None Detected**
TEM NYS 198.4 NOB	10/03/2023	Black		100.00% Other	**None Detected**
Sample ID 05-02-L2-Insulation *042323437-0037*		**Description** 1st Floor North Area Entrance - Metallic Paper Wall Insulation **Homogeneity** Homogeneous			
PLM NYS 198.1 Friable	10/03/2023	Brown	95.00% Cellulose	5.00% Non-fibrous (other)	**None Detected**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB					**Not Analyzed**
Sample ID 05-02-L2-Mastic *042323437-0037A*		**Description** 1st Floor North Area Entrance - Mastic **Homogeneity** Heterogeneous			
PLM NYS 198.1 Friable					**Not Analyzed**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB	10/03/2023	Black		100.00% Other	**Inconclusive: None Detected**
TEM NYS 198.4 NOB	10/03/2023	Black		100.00% Other	**None Detected**
Sample ID 05-03-L2-Insulation *042323437-0038*		**Description** 1st Floor North Area Entrance - Metallic Paper Wall Insulation **Homogeneity** Homogeneous			
PLM NYS 198.1 Friable	10/03/2023	Brown	95.00% Cellulose	5.00% Non-fibrous (other)	**None Detected**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB					**Not Analyzed**
Sample ID 05-03-L2-Mastic *042323437-0038A*		**Description** 1st Floor North Area Entrance - Mastic **Homogeneity** Heterogeneous			
PLM NYS 198.1 Friable					**Not Analyzed**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB	10/03/2023	Black		100.00% Other	**Inconclusive: None Detected**
TEM NYS 198.4 NOB	10/03/2023	Black		100.00% Other	**None Detected**

Initial report from: 10/03/2023 14:57:05

EMSL Analytical, Inc.
200 Route 130 North Cinnaminson, NJ 08077
Tel/Fax: (800) 220-3675 / (856) 786-5974
http://www.EMSL.com / cinnasblab@EMSL.com

EMSL Order:	042323437
Customer ID:	MATX53
Customer PO:	
Project ID:	

Test Report:Asbestos Analysis of Bulk Material

Test	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos
Sample ID 06-01 *042323437-0039*		**Description**	Basement Ceiling - Corrugated Insulation		
		Homogeneity	Homogeneous		
PLM NYS 198.1 Friable	10/02/2023	Gray	None	69.00% Non-fibrous (other)	**31.00% Chrysotile**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB					**Not Analyzed**
Sample ID 06-02 *042323437-0040*		**Description**	Basement Ceiling - Corrugated Insulation		
		Homogeneity			
PLM NYS 198.1 Friable	10/02/2023				**Positive Stop (Not Analyzed)**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB					**Not Analyzed**
Sample ID 06-03 *042323437-0041*		**Description**	Basement Ceiling - Corrugated Insulation		
		Homogeneity			
PLM NYS 198.1 Friable	10/02/2023				**Positive Stop (Not Analyzed)**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB					**Not Analyzed**

Initial report from: 10/03/2023 14:57:05

EMSL Analytical, Inc.
200 Route 130 North Cinnaminson, NJ 08077
Tel/Fax: (800) 220-3675 / (856) 786-5974
http://www.EMSL.com / cinnasblab@EMSL.com

EMSL Order:	042323437
Customer ID:	MATX53
Customer PO:	
Project ID:	

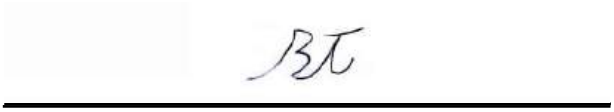
Test Report:Asbestos Analysis of Bulk Material

The samples in this report were submitted to EMSL for analysis by Asbestos Analysis of Bulk Materials via NYS ELAP Approved Methods. The reference number for these samples is the EMSL Order ID above. Please use this reference number when calling about these samples.

Report Comments:

Sample Receipt Date:	9/27/2023	Sample Receipt Time:	5:25 PM
Analysis Completed Date:	10/2/2023	Analysis Completed Time:	10:06 AM

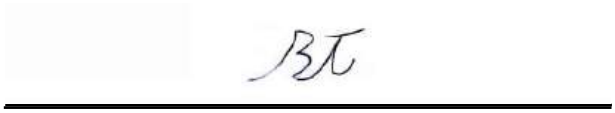
Analyst(s):



Brett Teixeira PLM NYS 198.1 Friable (19)

Michael Bocchicchio PLM NYS 198.1 Friable (12)

Michelle Quach PLM NYS 198.1 Friable (4)



Brett Teixeira PLM NYS 198.6 NOB (4)

Michael Bocchicchio PLM NYS 198.6 NOB (2)

Michelle Quach PLM NYS 198.6 NOB (1)

Gregory Barry TEM NYS 198.4 NOB (7)

Samples reviewed and approved by:

Samantha Rundstrom, Laboratory Manager
or Other Approved Signatory

Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ NYS ELAP 10872, PA ID# 68-00367, NVLAP Lab Code 101048-0

Initial report from: 10/03/2023 14:57:05

OrderID: 042323437

Asbestos Chain of Custody

EMSL Order Number (*Lab Use Only*): 042323437

EMSL ANALYTICAL, INC.
200 ROUTE 130 NORTH
CINNAMINSON, NJ 08077
PHONE: (800) 220-3675
FAX: (856) 786-5974

EMSL ANALYTICAL, INC.
LABORATORY • PRODUCTS • TRAINING

Company : Matrix New World	**EMSL-Bill to:** ☐ Same ☐ Different If Bill to is Different note instructions in Comments** *Third Party Billing requires written authorization from third party*
Street: 26 Columbia Turnpike	
City: Florham Park **State/Province:** NJ	**Zip/Postal Code:** **Country:**
Report To (Name): Matthew Sheldon	**Telephone #:**
Email Address: Hazmat.labs@matrixneworld.com	**Fax #:** **Purchase Order:**
Project Name/Number: 23-0088	**Please Provide Results:** ☐ Fax ☐ Email ☐ Mail
U.S. State Samples Taken: NY	**Connecticut Samples:** ☐ Commercial ☐ Residential

Turnaround Time (TAT) Options* – Please Check

☐ 3 Hour ☐ 6 Hour ☐ 24 Hour ☐ 48 Hour ☑ 72 Hour ☐ 96 Hour ☐ 1 Week ☐ 2 Week

**For TEM Air 3 hr through 6 hr, please call ahead to schedule.*There is a premium charge for 3 Hour TEM AHERA or EPA Level II TAT. You will be asked to sign an authorization form for this service. Analysis completed in accordance with EMSL's Terms and Conditions located in the Analytical Price Guide.*

PCM - Air ☐ Check if samples are from NY
- ☐ NIOSH 7400
- ☐ w/ OSHA 8hr. TWA

PLM - Bulk (reporting limit)
- ☐ PLM EPA 600/R-93/116 (<1%)
- ☐ PLM EPA NOB (<1%)

Point Count
- ☐ 400 (<0.25%) ☐ 1000 (<0.1%)

Point Count w/Gravimetric
- ☐ 400 (<0.25%) ☐ 1000 (<0.1%)
- ☑ NYS 198.1 (friable in NY)
- ☑ NYS 198.6 NOB (non-friable-NY)
- ☐ NIOSH 9002 (<1%)

TEM – Air ☐ 4-4.5hr TAT (AHERA only)
- ☐ AHERA 40 CFR, Part 763
- ☐ NIOSH 7402
- ☐ EPA Level II
- ☐ ISO 10312

TEM - Bulk
- ☐ TEM EPA NOB
- ☑ NYS NOB 198.4 (non-friable-NY)
- ☐ Chatfield SOP
- ☐ TEM Mass Analysis-EPA 600 sec. 2.5

TEM – Water: EPA 100.2
- Fibers >10µm ☐ Waste ☐ Drinking
- All Fiber Sizes ☐ Waste ☐ Drinking

TEM- Dust
- ☐ Microvac - ASTM D 5755
- ☐ Wipe - ASTM D6480
- ☐ Carpet Sonication (EPA 600/J-93/167)

Soil/Rock/Vermiculite
- ☐ PLM CARB 435 - A (0.25% sensitivity)
- ☐ PLM CARB 435 - B (0.1% sensitivity)
- ☐ TEM CARB 435 - B (0.1% sensitivity)
- ☐ TEM CARB 435 - C (0.01% sensitivity)
- ☐ TEM Qual. via Filtration Technique
- ☐ TEM Qual. via Drop-Mount Technique

Other:
- ☐

RECEIVED SEP 27 2023 EMSL CINNAMINSON, NJ 08077

☑ **Check For Positive Stop – Clearly Identify Homogenous Group** **Filter Pore Size (Air Samples):** ☐ 0.8µm ☐ 0.45µm

Samplers Name: Matt Sheldon **Samplers Signature:** Matt Sh

Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled
	Please See Attach		

Client Sample # (s): - **Total # of Samples:** 41

Relinquished (Client): Matt S **Date:** 9/27/23 **Time:**

Received (Lab): Shuni W **Date:** 9/27/23 **Time:** 525p

Comments/Special Instructions:

042323437

MATRIXNEWORLD
Engineering Progress

Matrix New World Engineering, Land Surveying,
and Landscape Architecture, PC
20 West 37th Street, 12th Floor
New York, New York 10018

RECEIVED EMSL CINNAMINSON NJ 2023 SEP 22 P 2:23

BULK SAMPLE DATA AND CHAIN OF CUSTODY FORM

PROJECT INFORMATION

Client:	Beyer Blinder Belle Architects & Planners
Project Name:	NYSOPRHP John Jay Homestead Site
Address:	John Jay Brick Cottage 400 Jay Street Katonah, New York
Date:	
Email Results to:	Hazmat.Labs@matrixneworld.com

Matrix Project No.
23-0088

Requested Analysis

- ☑ NYS ELAP 198.1 ☐ EPA/600/R-93
- ☑ NYS ELAP 198.4 ☐ PLM EPA NOB-EPA/600/R-93
- ☑ NYS ELAP 198.6 ☐ TEM EPA NOB - EPA 600/R-93
- ☐ NYS ELAP 198.8 ☐ Other (specify)

Project Manager: M. Sheldon
Investigator(s): M. Ceselka
T. MacGillivray
J. Tolk

Turn Around Time

- ☐ STAT ☐ 48 Hour ☐ 5 Day ☐ Other (specify)
- ☐ 24 Hour ☐ 72 Hour ☐ 1 Week

BULK SAMPLE INFORMATION

HA No.	Floor	Bulk Sample ID No.	Homogeneous Material	Material Type	Sample Location	Quantity (FT/FT²/Each)	Asbestos Content	Analysis		
								PLM	PLM-NOB	TEM
01	1	01-01-L1	Wall Plaster Scratch Coat	Surf	1st Floor Living Room Area			x		
	1	01-02-L1	Wall Plaster Scratch Coat	Surf	1st Floor West Room by Fireplace			x		
	1	01-03-L1	Wall Plaster Scratch Coat	Surf	1st Floor West Room by Fireplace			x		
	2	01-04-L1	Wall Plaster Scratch Coat	Surf	2nd Floor Bathroom East			x		
	2	01-05-L1	Wall Plaster Scratch Coat	Surf	2nd Floor Bathroom West			x		
	2	01-06-L1	Wall Plaster Scratch Coat	Surf	2nd Floor Bathroom West			x		
	2	01-07-L1	Wall Plaster Scratch Coat	Surf	2nd Floor Bedroom West			x		
	1	01-01-L2	Wall Plaster Finish Coat	Surf	1st Floor Living Room Area			x		
	1	01-02-L2	Wall Plaster Finish Coat	Surf	1st Floor West Room by Fireplace			x		
	1	01-03-L2	Wall Plaster Finish Coat	Surf	1st Floor West Room by Fireplace			x		
	2	01-04-L2	Wall Plaster Finish Coat	Surf	2nd Floor Bathroom East			x		
	2	01-05-L2	Wall Plaster Finish Coat	Surf	2nd Floor Bathroom West			x		
	2	01-06-L2	Wall Plaster Finish Coat	Surf	2nd Floor Bathroom West			x		
	2	01-07-L2	Wall Plaster Finish Coat	Surf	2nd Floor Bedroom West			x		
02	1	02-01-L1	Ceiling Plaster Scratch Coat	Surf	1st Floor Living Room Area			x		
	1	02-02-L1	Ceiling Plaster Scratch Coat	Surf	1st Floor Living Room Area			x		
	2	02-03-L1	Ceiling Plaster Scratch Coat	Surf	2nd Floor Bathroom East			x		
	2	02-04-L1	Ceiling Plaster Scratch Coat	Surf	2nd Floor Bathroom West			x		
	2	02-05-L1	Ceiling Plaster Scratch Coat	Surf	2nd Floor Bathroom West			x		
	2	02-06-L1	Ceiling Plaster Scratch Coat	Surf	2nd Floor Bedroom West			x		
	2	02-07-L1	Ceiling Plaster Scratch Coat	Surf	2nd Floor West Side South Room			x		
	1	02-01-L2	Ceiling Plaster Finish Coat	Surf	1st Floor Living Room Area			x		

CHAIN OF CUSTODY

Relinquished By:		Date / Time:
I.	(Signature)	9/27/23
	(Print)	
II.	(Signature)	
	(Print)	

Received By:		Date / Time:
I.	(Signature)	
	(Print)	
II.	(Signature)	
	(Print)	

Additional Notes:
* Stop at first positive for each homogeneous material as specified.
*Analyze by Layer. If PLM-NOB is inconclusive, re-analyze by TEM.
*Contact Project Manager Before Performing Method 198.8 unless otherwise specified.

213

MATRIXNEWORLD
Engineering Progress

Matrix New World Engineering, Land Surveying,
and Landscape Architecture, PC
20 West 37th Street, 12th Floor
New York, New York 10018

042323437

BULK SAMPLE DATA AND CHAIN OF CUSTODY FORM

PROJECT INFORMATION

Client:	Beyer Blinder Belle Architects & Planners
Project Name:	NYSOPRHP John Jay Homestead Site
Address:	John Jay Brick Cottage
	400 Jay Street
	Katonah, New York
Date:	
Email Results to:	Hazmat.Labs@matrixneworld.com

Matrix Project No.
23-0088

Requested Analysis

- ☑ NYS ELAP 198.1
- ☑ NYS ELAP 198.4
- ☑ NYS ELAP 198.6
- ☐ NYS ELAP 198.8
- ☐ EPA/600/R-93
- ☐ PLM EPA NOB-EPA/600/R-93
- ☐ TEM EPA NOB - EPA 600/R-93
- ☐ Other (specify)

Project Manager: M. Sheldon
Investigator(s): M. Cesella
T. MacGillivray
J. Roth

Turn Around Time

- ☐ STAT
- ☐ 24 Hour
- ☐ 48 Hour
- ☐ 72 Hour
- ☐ 5 Day
- ☐ 1 Week
- ☐ Other (specify)

BULK SAMPLE INFORMATION

HA No.	Floor	Bulk Sample ID No.	Homogeneous Material	Material Type	Sample Location	Quantity (FT/FT²/Each)	Asbestos Content	Analysis		
								PLM	PLM-NOB	TEM
02	1	02-02-L2	Ceiling Plaster Finish Coat	Surf	1st Floor Living Room Area			x		
	2	02-03-L2	Ceiling Plaster Finish Coat	Surf	2nd Floor Bathroom East			x		
	2	02-04-L2	Ceiling Plaster Finish Coat	Surf	2nd Floor Bathroom West			x		
	2	02-05-L2	Ceiling Plaster Finish Coat	Surf	2nd Floor Bathroom West			x		
	2	02-06-L2	Ceiling Plaster Finish Coat	Surf	2nd Floor Bedroom West			x		
	2	02-07-L2	Ceiling Plaster Finish Coat	Surf	2nd Floor West Side South Room			x		
03	1	03-01	Window Glazing	Misc.	Exterior Façade South				x	x
	1	03-02	Window Glazing	Misc.	Exterior Façade North				x	x
04	1	04-01	Wall Vapor Barrier	Misc.	1st Floor North Area Entrance				x	x
	1	04-02	Wall Vapor Barrier	Misc.	1st Floor North Area Entrance				x	x
05	1	05-01-L1	Brown Paper Wall Insulation	TSI	1st Floor North Area Entrance			x		
	1	05-02-L1	Brown Paper Wall Insulation	TSI	1st Floor North Area Entrance			x		
	1	05-03-L1	Brown Paper Wall Insulation	TSI	1st Floor North Area Entrance			x		
	1	05-01-L2	Metallic/Paper Wall Insulation	TSI	1st Floor North Area Entrance			x		
	1	05-02-L2	Metallic/Paper Wall Insulation	TSI	1st Floor North Area Entrance			x		
	1	05-03-L2	Metallic/Paper Wall Insulation	TSI	1st Floor North Area Entrance			x		
06	B	06-01	Corrugated Insulation	TSI	Basement Ceiling			x		
	↓	06-02	Corrugated Insulation	TSI	Basement Ceiling			x		
		06-03	Corrugated Insulation	TSI	Basement Ceiling			x		

CHAIN OF CUSTODY

Relinquished By:		Date / Time:
I. Matt Sheldon	(Signature)	5/27/23
Matt Sheldon	(Print)	
II.	(Signature)	
	(Print)	

Received By:		Date / Time:
I.	(Signature)	
	(Print)	
II.	(Signature)	
	(Print)	

Additional Notes:
* Stop at first positive for each homogeneous material as specified.
*Analyze by Layer. If PLM-NOB is inconclusive, re-analyze by TEM.
*Contact Project Manager Before Performing Method 198.8 unless otherwise specified.

3/3

EMSL Analytical, Inc.
200 Route 130 North Cinnaminson, NJ 08077
Tel/Fax: (800) 220-3675 / (856) 786-5974
http://www.EMSL.com / cinnasblab@EMSL.com

EMSL Order: 042323557
Customer ID: MATX53
Customer PO:
Project ID:

Attention: Gavin Gilmore
Matrix New World Engineering
26 Columbia Turnpike
Florham Park, NJ 07932

Phone: (908) 596-1082
Fax: (973) 240-1818
Received Date: 09/28/2023 8:05 PM
Analysis Date: 10/01/2023 - 10/02/2023
Collected Date:

Project: 23-0088 / NYSOPRHP John Jay Homestead Site (Brick College) - 400 Jay Street, Katonah, New York

Test Report:Asbestos Analysis of Bulk Material

Test	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos
Sample ID 07-01 *042323557-0001*		**Description** 1st Floor - Rubble Wall Mortar **Homogeneity** Homogeneous			
PLM NYS 198.1 Friable	10/01/2023	Tan		100.00% Non-fibrous (other)	**None Detected**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB					**Not Analyzed**
Sample ID 07-02 *042323557-0002*		**Description** 1st Floor - Rubble Wall Mortar **Homogeneity** Homogeneous			
PLM NYS 198.1 Friable	10/01/2023	Brown		100.00% Non-fibrous (other)	**None Detected**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB					**Not Analyzed**
Sample ID 08-01 *042323557-0003*		**Description** 1st Floor - Brick Mortar **Homogeneity** Homogeneous			
PLM NYS 198.1 Friable	10/01/2023	Brown		100.00% Non-fibrous (other)	**None Detected**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB					**Not Analyzed**
Sample ID 08-02 *042323557-0004*		**Description** 2nd Floor - Brick Mortar **Homogeneity** Homogeneous			
PLM NYS 198.1 Friable	10/01/2023	Tan		100.00% Non-fibrous (other)	**None Detected**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB					**Not Analyzed**
Sample ID 09-01 *042323557-0005*		**Description** 1st Floor - White Paper Wall Insulation **Homogeneity** Homogeneous			
PLM NYS 198.1 Friable	10/01/2023	Tan/ White	90.00% Cellulose	10.00% Non-fibrous (other)	**None Detected**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB					**Not Analyzed**

Initial report from: 10/02/2023 16:16:46

EMSL Analytical, Inc.
200 Route 130 North Cinnaminson, NJ 08077
Tel/Fax: (800) 220-3675 / (856) 786-5974
http://www.EMSL.com / cinnasblab@EMSL.com

EMSL Order:	042323557
Customer ID:	MATX53
Customer PO:	
Project ID:	

Test Report:Asbestos Analysis of Bulk Material

Test	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos
Sample ID 09-02 *042323557-0006*		**Description** 1st Floor - White Paper Wall Insulation **Homogeneity** Homogeneous			
PLM NYS 198.1 Friable	10/01/2023	Tan	95.00% Cellulose	5.00% Non-fibrous (other)	**None Detected**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB					**Not Analyzed**
Sample ID 09-03 *042323557-0007*		**Description** 1st Floor - White Paper Wall Insulation **Homogeneity** Homogeneous			
PLM NYS 198.1 Friable	10/01/2023	Brown	95.00% Cellulose	5.00% Non-fibrous (other)	**None Detected**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB					**Not Analyzed**
Sample ID 10-01 *042323557-0008*		**Description** Boiler Room - Flue Packing **Homogeneity** Homogeneous			
PLM NYS 198.1 Friable	10/01/2023	White	None	50.00% Non-fibrous (other)	**50.00% Chrysotile**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB					**Not Analyzed**
Sample ID 10-02 *042323557-0009*		**Description** Boiler Room - Flue Packing **Homogeneity**			
PLM NYS 198.1 Friable	10/01/2023				**Positive Stop (Not Analyzed)**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB					**Not Analyzed**
Sample ID 11-01 *042323557-0011*		**Description** 1st Floor - Linoleum **Homogeneity** Homogeneous			
PLM NYS 198.1 Friable					**Not Analyzed**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB	10/01/2023	Tan		100.00% Other	**Inconclusive: None Detected**
TEM NYS 198.4 NOB	10/02/2023	Tan		100.00% Other	**None Detected**
Sample ID 11-02 *042323557-0012*		**Description** 1st Floor - Linoleum **Homogeneity** Homogeneous			
PLM NYS 198.1 Friable					**Not Analyzed**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB	10/01/2023	Tan		100.00% Other	**Inconclusive: None Detected**
TEM NYS 198.4 NOB	10/02/2023	Tan		100.00% Other	**None Detected**

Initial report from: 10/02/2023 16:16:46

EMSL Analytical, Inc.
200 Route 130 North Cinnaminson, NJ 08077
Tel/Fax: (800) 220-3675 / (856) 786-5974
http://www.EMSL.com / cinnasblab@EMSL.com

EMSL Order:	042323557
Customer ID:	MATX53
Customer PO:	
Project ID:	

Test Report:Asbestos Analysis of Bulk Material

Test	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos
Sample ID 12-01 *042323557-0013*		**Description** 1st Floor - Wallpaper **Homogeneity** Homogeneous			
PLM NYS 198.1 Friable					**Not Analyzed**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB	10/01/2023	Tan		100.00% Other	**Inconclusive: None Detected**
TEM NYS 198.4 NOB	10/02/2023	Tan	None	98.80% Other	**1.20% Anthophyllite**
Sample ID 12-02 *042323557-0014*		**Description** 2nd Floor - Wallpaper **Homogeneity** Homogeneous			
PLM NYS 198.1 Friable					**Not Analyzed**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB	10/01/2023	Tan	<1.00% Fibrous (other)	100.00% Other	**Inconclusive: None Detected**
TEM NYS 198.4 NOB	10/02/2023				**Positive Stop (Not Analyzed)**
Sample ID 13-01 *042323557-0015*		**Description** 1st Floor - Corrugated Pipe Insulation **Homogeneity** Homogeneous			
PLM NYS 198.1 Friable	10/01/2023	Gray	None	50.00% Non-fibrous (other)	**50.00% Chrysotile**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB					**Not Analyzed**
Sample ID 13-02 *042323557-0016*		**Description** 1st Floor - Corrugated Pipe Insulation **Homogeneity**			
PLM NYS 198.1 Friable	10/01/2023				**Positive Stop (Not Analyzed)**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB					**Not Analyzed**
Sample ID 13-03 *042323557-0017*		**Description** Basement - Corrugated Pipe Insulation **Homogeneity**			
PLM NYS 198.1 Friable	10/01/2023				**Positive Stop (Not Analyzed)**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB					**Not Analyzed**
Sample ID 14-01 *042323557-0018*		**Description** 1st Floor - Waterproofing Membrane **Homogeneity** Homogeneous			
PLM NYS 198.1 Friable					**Not Analyzed**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB	10/01/2023	Black		100.00% Other	**Inconclusive: None Detected**
TEM NYS 198.4 NOB	10/02/2023	Black		100.00% Other	**None Detected**

Initial report from: 10/02/2023 16:16:46

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200 Route 130 North Cinnaminson, NJ 08077
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http://www.EMSL.com / cinnasblab@EMSL.com

EMSL Order:	042323557
Customer ID:	MATX53
Customer PO:	
Project ID:	

Test Report:Asbestos Analysis of Bulk Material

Test	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos
Sample ID 14-02		**Description**	1st Floor - Waterproofing Membrane		
042323557-0019		**Homogeneity**	Homogeneous		
PLM NYS 198.1 Friable					**Not Analyzed**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB	10/01/2023	Black		100.00% Other	**Inconclusive: None Detected**
TEM NYS 198.4 NOB	10/02/2023	Black		100.00% Other	**None Detected**
Sample ID 15-01-Floor Tile		**Description**	2nd Floor - 12"x12" Self Stick		
042323557-0020		**Homogeneity**	Homogeneous		
PLM NYS 198.1 Friable					**Not Analyzed**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB	10/01/2023	Beige	None	96.20% Other	**3.80% Chrysotile**
TEM NYS 198.4 NOB					**Not Analyzed**
Sample ID 15-01-Mastic		**Description**	2nd Floor - Mastic		
042323557-0020A		**Homogeneity**	Homogeneous		
PLM NYS 198.1 Friable					**Not Analyzed**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB	10/01/2023	Yellow	None	100.00% Other	**Inconclusive : <1% Chrysotile**
TEM NYS 198.4 NOB	10/02/2023	Yellow	None	100.00% Other	**<1% Chrysotile**
Contains inseparable material					
Sample ID 15-02-Floor Tile		**Description**	2nd Floor - 12"x12" Self Stick		
042323557-0021		**Homogeneity**			
PLM NYS 198.1 Friable					**Not Analyzed**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB	10/01/2023				**Positive Stop (Not Analyzed)**
TEM NYS 198.4 NOB					**Not Analyzed**
Sample ID 15-02-Mastic		**Description**	2nd Floor - Mastic		
042323557-0021A		**Homogeneity**	Homogeneous		
PLM NYS 198.1 Friable					**Not Analyzed**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB	10/01/2023	Yellow	None	100.00% Other	**Inconclusive : <1% Chrysotile**
TEM NYS 198.4 NOB	10/02/2023	Yellow	None	100.00% Other	**<1% Chrysotile**
Contains inseparable material					
Sample ID 16-01		**Description**	Basement - Remnant Tar Paper		
042323557-0022		**Homogeneity**	Homogeneous		
PLM NYS 198.1 Friable					**Not Analyzed**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB	10/01/2023	Black	None	100.00% Other	**Inconclusive : <1% Chrysotile**
TEM NYS 198.4 NOB	10/02/2023	Black	None	100.00% Other	**<1% Chrysotile**

Initial report from: 10/02/2023 16:16:46

EMSL Analytical, Inc.
200 Route 130 North Cinnaminson, NJ 08077
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http://www.EMSL.com / cinnasblab@EMSL.com

EMSL Order: 042323557
Customer ID: MATX53
Customer PO:
Project ID:

Test Report:Asbestos Analysis of Bulk Material

Test	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos
Sample ID 16-02 *042323557-0023*		**Description**	Basement - Remnant Tar Paper		
		Homogeneity	Homogeneous		
PLM NYS 198.1 Friable					**Not Analyzed**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB	10/01/2023	Black	None	100.00% Other	**Inconclusive : <1% Chrysotile**
TEM NYS 198.4 NOB	10/02/2023	Black	None	100.00% Other	**<1% Chrysotile**
Sample ID 17-01 *042323557-0024*		**Description**	Basement - Remnant Fibrous Paper		
		Homogeneity	Homogeneous		
PLM NYS 198.1 Friable	10/01/2023	White	None	43.00% Non-fibrous (other)	**57.00% Chrysotile**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB					**Not Analyzed**
Sample ID 17-02 *042323557-0025*		**Description**	Basement - Remnant Fibrous Paper		
		Homogeneity			
PLM NYS 198.1 Friable	10/01/2023				**Positive Stop (Not Analyzed)**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB					**Not Analyzed**
Sample ID 17-03 *042323557-0026*		**Description**	Basement - Remnant Fibrous Paper		
		Homogeneity			
PLM NYS 198.1 Friable	10/01/2023				**Positive Stop (Not Analyzed)**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB					**Not Analyzed**

Initial report from: 10/02/2023 16:16:46

EMSL Analytical, Inc.
200 Route 130 North Cinnaminson, NJ 08077
Tel/Fax: (800) 220-3675 / (856) 786-5974
http://www.EMSL.com / cinnasblab@EMSL.com

EMSL Order:	042323557
Customer ID:	MATX53
Customer PO:	
Project ID:	

Test Report:Asbestos Analysis of Bulk Material

The samples in this report were submitted to EMSL for analysis by Asbestos Analysis of Bulk Materials via NYS ELAP Approved Methods. The reference number for these samples is the EMSL Order ID above. Please use this reference number when calling about these samples.

Report Comments:

Sample Receipt Date:	9/28/2023	Sample Receipt Time:	8:05 PM
Analysis Completed Date:	10/1/2023	Analysis Completed Time:	1:45 PM

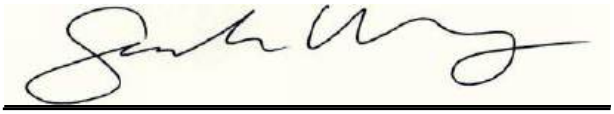
Analyst(s):

Brett Polumbo PLM NYS 198.1 Friable (3)

Michael Bocchicchio PLM NYS 198.1 Friable (7)

Brett Polumbo PLM NYS 198.6 NOB (5)

Michael Bocchicchio PLM NYS 198.6 NOB (6)



Sarah Richey TEM NYS 198.4 NOB (9)

Samples reviewed and approved by:

Samantha Rundstrom, Laboratory Manager
or Other Approved Signatory

EMSL maintains liability limited to cost of analysis. Interpretation and use of test results are the responsibility of the client. This report relates only to the samples reported above, and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. The report reflects the samples as received. Results are generated from the field sampling data (sampling volumes and areas, locations, etc.) provided by the client on the Chain of Custody. Samples are within quality control criteria and met method specifications unless otherwise noted. Estimation of uncertainty available upon request. This report is a summary of multiple methods of analysis, fully compliant reports are available upon request. All samples examined for the presence of vermiculite when analyzed via NYS 198.1. A combination of PLM and TEM analysis may be necessary to ensure consistently reliable detection of asbestos. Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. This report must not be used to claim product endorsement by NVLAP of any agency or the U.S. Government . Quantitative transmission electron microscopy is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing. NOB= Non friable organically bound; N/A= Not applicable VCM= Vermiculite containing material.

Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ NYS ELAP 10872, PA ID# 68-00367, NVLAP Lab Code 101048-0

Initial report from: 10/02/2023 16:16:46

OrderID: 042323557

Asbestos Chain of Custody

EMSL Order Number (*Lab Use Only*): 042323557

EMSL ANALYTICAL, INC.
200 ROUTE 130 NORTH
CINNAMINSON, NJ 08077
PHONE: (800) 220-3675
FAX: (856) 786-5974

EMSL ANALYTICAL, INC.
LABORATORY • PRODUCTS • TRAINING

Company : Matrix New World	**EMSL-Bill to:** ☐ Same ☐ Different If Bill to is Different note instructions in Comments** *Third Party Billing requires written authorization from third party*
Street: 26 Columbia Turnpike	
City: Florham Park **State/Province:** NJ	**Zip/Postal Code:** **Country:**
Report To (Name): Matthew Sheldon	**Telephone #:**
Email Address: Hazmat.labs@matrixneworld.com	**Fax #:** **Purchase Order:**
Project Name/Number: 23-0088 - Brick Cottage	**Please Provide Results:** ☐ Fax ☐ Email ☐ Mail
U.S. State Samples Taken: NY	**Connecticut Samples:** ☐ Commercial ☐ Residential

Turnaround Time (TAT) Options* – Please Check

☐ 3 Hour ☐ 6 Hour ☐ 24 Hour ☑ 48 Hour ☐ 72 Hour ☐ 96 Hour ☐ 1 Week ☐ 2 Week

**For TEM Air 3 hr through 6 hr, please call ahead to schedule. *There is a premium charge for 3 Hour TEM AHERA or EPA Level II TAT. You will be asked to sign an authorization form for this service. Analysis completed in accordance with EMSL's Terms and Conditions located in the Analytical Price Guide.*

PCM - Air ☐ Check if samples are from NY
- ☐ NIOSH 7400
- ☐ w/ OSHA 8hr. TWA

PLM - Bulk (reporting limit)
- ☐ PLM EPA 600/R-93/116 (<1%)
- ☐ PLM EPA NOB (<1%)

Point Count
- ☐ 400 (<0.25%) ☐ 1000 (<0.1%)

Point Count w/Gravimetric
- ☐ 400 (<0.25%) ☐ 1000 (<0.1%)
- ☑ NYS 198.1 (friable in NY)
- ☑ NYS 198.6 NOB (non-friable-NY)
- ☐ NIOSH 9002 (<1%)

TEM – Air ☐ 4-4.5hr TAT (AHERA only)
- ☐ AHERA 40 CFR, Part 763
- ☐ NIOSH 7402
- ☐ EPA Level II
- ☐ ISO 10312

TEM - Bulk
- ☐ TEM EPA NOB
- ☑ NYS NOB 198.4 (non-friable-NY)
- ☐ Chatfield SOP
- ☐ TEM Mass Analysis-EPA 600 sec. 2.5

TEM – Water: EPA 100.2
- Fibers >10µm ☐ Waste ☐ Drinking
- All Fiber Sizes ☐ Waste ☐ Drinking

TEM- Dust
- ☐ Microvac - ASTM D 5755
- ☐ Wipe - ASTM D6480
- ☐ Carpet Sonication (EPA 600/J-93/167)

Soil/Rock/Vermiculite
- ☐ PLM CARB 435 - A (0.25% sensitivity)
- ☐ PLM CARB 435 - B (0.1% sensitivity)
- ☐ TEM CARB 435 - B (0.1% sensitivity)
- ☐ TEM CARB 435 - C (0.01% sensitivity)
- ☐ TEM Qual. via Filtration Technique
- ☐ TEM Qual. via Drop-Mount Technique

Other:
- ☐

RECEIVED EMSL CINNAMINSON, NJ 2023 SEP 28 P 3:08

☑ **Check For Positive Stop – Clearly Identify Homogenous Group** | **Filter Pore Size (Air Samples):** ☐ 0.8µm ☐ 0.45µm

Samplers Name: Mikes Cosek **Samplers Signature:**

Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled

Client Sample # (s): 07-01 - 17-03 **Total # of Samples:** 20

Relinquished (Client): **Date:** 9/28/23 **Time:** 1455

Received (Lab): Shawn DB **Date:** 9/28/23 **Time:** 8055

Comments/Special Instructions:
Sample 10-03 not recd. - 9/29/23

MATRIXNEWORLD
Engineering Progress

042323557

Matrix New World Engineering, Land Surveying,
and Landscape Architecture, PC
20 West 37th Street, 12th Floor
New York, New York 10018

BULK SAMPLE DATA AND CHAIN OF CUSTODY FORM

PROJECT INFORMATION

Client:	Beyer Blinder Belle Architects & Planners
Project Name:	NYSOPRHP John Jay Homestead Site
Address:	400 Jay Street
	Katonah, New York
	Brick Cottage
Date:	
Email Results to:	Hazmat.Labs@matrixneworld.com

Matrix Project No.: 23-0088

Requested Analysis

- ☑ NYS ELAP 198.1 ☐ EPA/600/R-93
- ☑ NYS ELAP 198.4 ☐ PLM EPA NOB-EPA/600/R-93
- ☑ NYS ELAP 198.6 ☐ TEM EPA NOB - EPA 600/R-93
- ☐ NYS ELAP 198.8 ☐ Other (specify)

Project Manager: M. Sheldon
Investigator(s): M. Ceselka, T. MacGillivray, J. Toth

Turn Around Time

☐ STAT ☐ 48 Hour ☐ 5 Day ☐ Other (specify)
☐ 24 Hour ☐ 72 Hour ☐ 1 Week

BULK SAMPLE INFORMATION

HA No.	Floor	Bulk Sample ID No.	Homogeneous Material	Material Type	Sample Location	Quantity (FT/FT²/Each)	Asbestos Content	Analysis		
								PLM	PLM-NOB	TEM
07		07-01	Rubble Wall Mortar		First Floor			X		
↓		07-02	↓		↓			X		
08		08-01	Brick Mortar		First Floor			X		
↓		08-02	↓		Second Floor			X		
09		09-01	White Paper Wall Insulation		First Floor			X		
↓		09-02	↓		↓			X		
↓		09-03	↓		↓			X		
10		10-01	Flue Packing		Boiler Room			X		
↓		10-02	↓		↓			X		
↓		10-03	↓		↓			X		
11		11-01	Linoleum		First Floor				X	X
12		11-02	↓		↓				X	X
↓		11-03	↓		↓				X	
12		12-01	Wall Paper		First Floor			X	X	X
↓		12-02	↓		Second Floor			X	X	X
13		13-01	Corrugated Pipe Insulation		First Floor			X		
↓		13-02	↓		↓			X		
↓		13-03	↓		Basement			X		
14		14-01	Waterproofing Membrane		First Floor				X	X
↓		14-02	↓		↓				X	X
15		15-01	12"x12" Self Stick		Second Floor				X	X
↓		15-02	↓		↓				X	X

CHAIN OF CUSTODY

Relinquished By:		Date / Time:
I.	(Signature)	
	Tyler MacGillivray (Print)	9/28/23
II.	(Signature)	
	(Print)	

Received By:		Date / Time:
I.	(Signature)	
	(Print)	
II.	(Signature)	
	(Print)	

2023 SEP 28 P 8:08
CINNAMINSON, N.J.
RECEIVED
EMSL

Additional Notes:
* Stop at first positive for each homogeneous material as specified.
*Analyze by Layer. If PLM-NOB is inconclusive, re-analyze by TEM.
*Contact Project Manager Before Performing Method 198.8 unless otherwise specified.

OrderID: 042323557

042323557

MATRIXNEWORLD
Engineering Progress

Matrix New World Engineering, Land Surveying,
and Landscape Architecture, PC
20 West 37th Street, 12th Floor
New York, New York 10018

BULK SAMPLE DATA AND CHAIN OF CUSTODY FORM

PROJECT INFORMATION

Client:	Beyer Blinder Belle Architects & Planners	Matrix Project No. 23-0088	Project Manager: M. Sheldon
Project Name:	NYSOPRHP John Jay Homestead Site	Requested Analysis	Investigator(s): M. Ceselka, T. MacGillivray, J. Toth
Address:	400 Jay Street, Katonah, New York, Brick Cottage	☑ NYS ELAP 198.1 ☐ EPA/600/R-93 ☑ NYS ELAP 198.4 ☐ PLM EPA NOB-EPA/600/R-93 ☑ NYS ELAP 198.6 ☐ TEM EPA NOB - EPA 600/R-93 ☐ NYS ELAP 198.8 ☐ Other (specify)	Turn Around Time ☐ STAT ☒ 48 Hour ☐ 5 Day ☐ Other (specify) ☐ 24 Hour ☐ 72 Hour ☐ 1 Week
Date:			
Email Results to:	Hazmat.Labs@matrixneworld.com		

BULK SAMPLE INFORMATION

HA No.	Floor	Bulk Sample ID No.	Homogeneous Material	Material Type	Sample Location	Quantity (FT/FT²/Each)	Asbestos Content	Analysis: PLM	Analysis: PLM-NOB	Analysis: TEM
16	B	16-01	Remnant Tar Paper	Misc	Basement				X	X
↓	↓	16-02	↓	↓	↓				X	X
17	B	17-01	Remnant Fibrous Paper	TSI	↓			X		
↓	↓	17-02	↓	↓	↓			X		
↓	↓	17-03	↓	↓	↓			X		

RECEIVED EMSL CINNAMINSON, N.J. 2023 SEP 28 P 8:08

CHAIN OF CUSTODY

Relinquished By:	Date / Time:
I. [signature] (Signature)	9/29/23
Tyler MacGillivray (Print)	
II. (Signature)	
(Print)	

Received By:	Date / Time:
I. (Signature)	
(Print)	
II. (Signature)	
(Print)	

Additional Notes:
* Stop at first positive for each homogeneous material as specified.
*Analyze by Layer. If PLM-NOB is inconclusive, re-analyze by TEM.
*Contact Project Manager Before Performing Method 198.8 unless otherwise specified.

EMSL Analytical, Inc.

200 Route 130 North Cinnaminson, NJ 08077
Tel/Fax: (800) 220-3675 / (856) 786-5974
http://www.EMSL.com / cinnasblab@EMSL.com

EMSL Order: 042323553
Customer ID: MATX53
Customer PO:
Project ID:

Attention: Matt Sheldon
Matrix New World Engineering
26 Columbia Turnpike
Florham Park, NJ 07932

Phone: (732) 670-4492
Fax: (973) 240-1818
Received Date: 09/28/2023 8:05 PM
Analysis Date: 10/01/2023 - 10/02/2023
Collected Date:

Project: Beyer Blinder Belle Architects and Planners / NYSOPRHP John Jay Homestead Site / 400 Jay Street, Katonah, New York / Coachman's House / 23-0088

Test Report:Asbestos Analysis of Bulk Material

Test	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos
Sample ID CH-01-01 *042323553-0001*		**Description**	East Gable Window - Window Glazing		
		Homogeneity	Homogeneous		
PLM NYS 198.1 Friable					**Not Analyzed**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB	10/01/2023	White	1.50% Fibrous (other)	98.50% Other	**Inconclusive: None Detected**
TEM NYS 198.4 NOB	10/02/2023	White	None	98.50% Other	**1.50% Anthophyllite**
Sample ID CH-01-02 *042323553-0002*		**Description**	East Gable Window - Window Glazing		
		Homogeneity	Homogeneous		
PLM NYS 198.1 Friable					**Not Analyzed**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB	10/01/2023	White	1.10% Fibrous (other)	98.90% Other	**Inconclusive: None Detected**
TEM NYS 198.4 NOB	10/02/2023	White	None	98.60% Other	**1.40% Anthophyllite**

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EMSL Order:	042323553
Customer ID:	MATX53
Customer PO:	
Project ID:	

Test Report:Asbestos Analysis of Bulk Material

The samples in this report were submitted to EMSL for analysis by Asbestos Analysis of Bulk Materials via NYS ELAP Approved Methods . The reference number for these samples is the EMSL Order ID above. Please use this reference number when calling about these samples.

Report Comments:

Sample Receipt Date:	9/28/2023	Sample Receipt Time:	8:05 PM
Analysis Completed Date:	10/2/2023	Analysis Completed Time:	2:58 PM

Analyst(s):

Brett Polumbo PLM NYS 198.6 NOB (1)

Michael Bocchicchio PLM NYS 198.6 NOB (1)

Peter Harrison TEM NYS 198.4 NOB (2)

Samples reviewed and approved by:

Samantha Rundstrom, Laboratory Manager
or Other Approved Signatory

EMSL maintains liability limited to cost of analysis. Interpretation and use of test results are the responsibility of the client. This report relates only to the samples reported above, and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. The report reflects the samples as received. Results are generated from the field sampling data (sampling volumes and areas, locations, etc.) provided by the client on the Chain of Custody. Samples are within quality control criteria and met method specifications unless otherwise noted. Estimation of uncertainty available upon request. This report is a summary of multiple methods of analysis, fully compliant reports are available upon request. All samples examined for the presence of vermiculite when analyzed via NYS 198.1. A combination of PLM and TEM analysis may be necessary to ensure consistently reliable detection of asbestos . Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. This report must not be used to claim product endorsement by NVLAP of any agency or the U.S. Government . Quantitative transmission electron microscopy is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing. NOB= Non friable organically bound; N/A= Not applicable VCM= Vermiculite containing material.

Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ NYS ELAP 10872, PA ID# 68-00367, NVLAP Lab Code 101048-0

Initial report from: 10/02/2023 16:01:23

MATRIXNEWORLD
Engineering Progress

Matrix New World Engineering, Land Surveying,
and Landscape Architecture, PC
20 West 37th Street, 12th Floor
New York, New York 10018

BULK SAMPLE DATA AND CHAIN OF CUSTODY FORM

042323553

PROJECT INFORMATION

Client:	Beyer Blinder Belle Architects & Planners
Project Name:	NYSOPRHP John Jay Homestead Site
Address:	400 Jay Street
	Katonah, New York
	Coachman's House
Date:	
Email Results to:	Hazmat.Labs@matrixneworld.com

Matrix Project No.
23-0088

Requested Analysis

- [x] NYS ELAP 198.1
- [x] NYS ELAP 198.4
- [x] NYS ELAP 198.6
- [ ] NYS ELAP 198.8
- [ ] EPA/600/R-93
- [ ] PLM EPA NOB-EPA/600/R-93
- [ ] TEM EPA NOB - EPA 600/R-93
- [ ] Other (specify)

Project Manager: M. Sheldon
Investigator(s): M. Ceselka
T. MacGillivray
J. Toth

Turn Around Time

- [ ] STAT
- [ ] 24 Hour
- [x] 48 Hour
- [ ] 72 Hour
- [ ] 5 Day
- [ ] 1 Week
- [ ] Other (specify)

BULK SAMPLE INFORMATION

HA No.	Floor	Bulk Sample ID No.	Homogeneous Material	Material Type	Sample Location	Quantity (FT/FT²/Each)	Asbestos Content	Analysis		
								PLM	PLM-NOB	TEM
CH-01		CH-01-01	Window Glazing ~~to E Gable Window~~	Misc	East Gable Window				X	X
↓		CH-01-02	↓	↓	↓				X	X

RECEIVED
EMSL
CINNAMINSON, N.J.
2023 SEP 28 P 8:05

CHAIN OF CUSTODY

Relinquished By:		Date / Time:
I.	(Signature)	9/28/23
	Tyler MacGillivray (Print)	
II.	(Signature)	
	(Print)	

Received By:		Date / Time:
I.	(Signature) DS	9/28/23 805 P
	Stylianos Anastasiadis (Print)	
II.	(Signature)	
	(Print)	

Additional Notes:
* Stop at first positive for each homogeneous material as specified.
*Analyze by Layer. If PLM-NOB is inconclusive, re-analyze by TEM.
*Contact Project Manager Before Performing Method 198.8 unless otherwise specified.

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http://www.EMSL.com / cinnasblab@EMSL.com

EMSL Order: 042323555
Customer ID: MATX53
Customer PO:
Project ID:

Attention: Matt Sheldon
Matrix New World Engineering
26 Columbia Turnpike
Florham Park, NJ 07932

Phone: (732) 670-4492
Fax: (973) 240-1818
Received Date: 09/28/2023 8:10 PM
Analysis Date: 10/01/2023 - 10/02/2023
Collected Date:

Project: 23-0088 / Bedford House / Beyer Blinder Belle Architects and Planners / NYSOPRHP John Jay Homestead Site / 400 Jay Street, Katonah, New York

Test Report:Asbestos Analysis of Bulk Material

Test	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos
Sample ID BH-01-01-L1 *042323555-0001*		**Description** First Floor - Wall Plaster - Scratch Coat **Homogeneity** Homogeneous			
PLM NYS 198.1 Friable	10/01/2023	Gray		100.00% Non-fibrous (other)	**None Detected**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB					**Not Analyzed**
Sample ID BH-01-02-L1 *042323555-0002*		**Description** First Floor - Wall Plaster - Scratch Coat **Homogeneity** Homogeneous			
PLM NYS 198.1 Friable	10/01/2023	Gray	2.00% Cellulose	98.00% Non-fibrous (other)	**None Detected**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB					**Not Analyzed**
Sample ID BH-01-03-L1 *042323555-0003*		**Description** First Floor - Wall Plaster - Scratch Coat **Homogeneity** Homogeneous			
PLM NYS 198.1 Friable	10/01/2023	Gray		100.00% Non-fibrous (other)	**None Detected**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB					**Not Analyzed**
Sample ID BH-01-04-L1 *042323555-0004*		**Description** Second Floor - Wall Plaster - Scratch Coat **Homogeneity** Homogeneous			
PLM NYS 198.1 Friable	10/01/2023	Gray		100.00% Non-fibrous (other)	**None Detected**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB					**Not Analyzed**
Sample ID BH-01-05-L1 *042323555-0005*		**Description** Second Floor - Wall Plaster - Scratch Coat **Homogeneity** Homogeneous			
PLM NYS 198.1 Friable	10/01/2023	Gray		100.00% Non-fibrous (other)	**None Detected**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB					**Not Analyzed**

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EMSL Order: 042323555
Customer ID: MATX53
Customer PO:
Project ID:

Test Report:Asbestos Analysis of Bulk Material

Test	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos
Sample ID BH-01-06-L1 *042323555-0006*		**Description** Second Floor - Wall Plaster - Scratch Coat **Homogeneity** Homogeneous			
PLM NYS 198.1 Friable	10/01/2023	Gray		100.00% Non-fibrous (other)	**None Detected**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB					**Not Analyzed**
Sample ID BH-01-07-L1 *042323555-0007*		**Description** Thrid Floor - Wall Plaster - Scratch Coat **Homogeneity** Homogeneous			
PLM NYS 198.1 Friable	10/01/2023	Gray		100.00% Non-fibrous (other)	**None Detected**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB					**Not Analyzed**
Sample ID BH-01-01-L2 *042323555-0008*		**Description** First Floor - Wall Plaster - Finish Coat **Homogeneity** Homogeneous			
PLM NYS 198.1 Friable	10/01/2023	White		100.00% Non-fibrous (other)	**None Detected**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB					**Not Analyzed**
Sample ID BH-01-02-L2 *042323555-0009*		**Description** First Floor - Wall Plaster - Finish Coat **Homogeneity** Homogeneous			
PLM NYS 198.1 Friable	10/01/2023	White		100.00% Non-fibrous (other)	**None Detected**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB					**Not Analyzed**
Sample ID BH-01-03-L2 *042323555-0010*		**Description** First Floor - Wall Plaster - Finish Coat **Homogeneity** Homogeneous			
PLM NYS 198.1 Friable	10/01/2023	White		100.00% Non-fibrous (other)	**None Detected**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB					**Not Analyzed**
Sample ID BH-01-04-L2 *042323555-0011*		**Description** Second Floor - Wall Plaster - Finish Coat **Homogeneity** Homogeneous			
PLM NYS 198.1 Friable	10/01/2023	White		100.00% Non-fibrous (other)	**None Detected**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB					**Not Analyzed**

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EMSL Order:	042323555
Customer ID:	MATX53
Customer PO:	
Project ID:	

Test Report:Asbestos Analysis of Bulk Material

Test	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos
Sample ID BH-01-05-L2 *042323555-0012*		**Description** Second Floor - Wall Plaster - Finish Coat **Homogeneity** Homogeneous			
PLM NYS 198.1 Friable	10/01/2023	White		100.00% Non-fibrous (other)	**None Detected**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB					**Not Analyzed**
Sample ID BH-01-06-L2 *042323555-0013*		**Description** Second Floor - Wall Plaster - Finish Coat **Homogeneity** Homogeneous			
PLM NYS 198.1 Friable	10/01/2023	White		100.00% Non-fibrous (other)	**None Detected**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB					**Not Analyzed**
Sample ID BH-01-07-L2 *042323555-0014*		**Description** Thrid Floor - Wall Plaster - Finish Coat **Homogeneity** Homogeneous			
PLM NYS 198.1 Friable	10/01/2023	White		100.00% Non-fibrous (other)	**None Detected**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB					**Not Analyzed**
Sample ID BH-02-01-L1 *042323555-0015*		**Description** First Floor - Ceiling Plaster - Scratch Coat **Homogeneity** Homogeneous			
PLM NYS 198.1 Friable	10/01/2023	Gray		100.00% Non-fibrous (other)	**None Detected**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB					**Not Analyzed**
Sample ID BH-02-02-L1 *042323555-0016*		**Description** First Floor - Ceiling Plaster - Scratch Coat **Homogeneity** Homogeneous			
PLM NYS 198.1 Friable	10/01/2023	Gray		100.00% Non-fibrous (other)	**None Detected**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB					**Not Analyzed**
Sample ID BH-02-03-L1 *042323555-0017*		**Description** First Floor - Ceiling Plaster - Scratch Coat **Homogeneity** Homogeneous			
PLM NYS 198.1 Friable	10/01/2023	Gray		100.00% Non-fibrous (other)	**None Detected**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB					**Not Analyzed**

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Project ID:	

Test Report:Asbestos Analysis of Bulk Material

Test	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos
Sample ID BH-02-04-L1 *042323555-0018*		**Description** Second Floor - Ceiling Plaster - Scratch Coat **Homogeneity** Homogeneous			
PLM NYS 198.1 Friable	10/01/2023	Gray		100.00% Non-fibrous (other)	**None Detected**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB					**Not Analyzed**
Sample ID BH-02-05-L1-Scratch Coat *042323555-0019*		**Description** Second Floor - Ceiling Plaster - Scratch Coat **Homogeneity** Homogeneous			
PLM NYS 198.1 Friable	10/01/2023	Gray		100.00% Non-fibrous (other)	**None Detected**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB					**Not Analyzed**
Sample ID BH-02-05-L1-Scratch Coat 2 *042323555-0019A*		**Description** Second Floor - Ceiling Plaster - Scratch Coat **Homogeneity** Homogeneous			
PLM NYS 198.1 Friable	10/01/2023	Gray	2.00% Cellulose	98.00% Non-fibrous (other)	**None Detected**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB					**Not Analyzed**
Sample ID BH-02-06-L1 *042323555-0020*		**Description** Second Floor - Ceiling Plaster - Scratch Coat **Homogeneity** Homogeneous			
PLM NYS 198.1 Friable	10/01/2023	Gray		100.00% Non-fibrous (other)	**None Detected**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB					**Not Analyzed**
Sample ID BH-02-07-L1 *042323555-0021*		**Description** Thrid Floor - Ceiling Plaster - Finish Coat **Homogeneity** Homogeneous			
PLM NYS 198.1 Friable	10/01/2023	Gray		100.00% Non-fibrous (other)	**None Detected**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB					**Not Analyzed**
Sample ID BH-02-01-L2-Finish Coat *042323555-0022*		**Description** First Floor - Ceiling Plaster - Finish Coat **Homogeneity** Homogeneous			
PLM NYS 198.1 Friable	10/01/2023	White		100.00% Non-fibrous (other)	**None Detected**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB					**Not Analyzed**

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EMSL Order: 042323555
Customer ID: MATX53
Customer PO:
Project ID:

Test Report:Asbestos Analysis of Bulk Material

Test	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos
Sample ID BH-02-01-L2-Texture *042323555-0022A*		**Description**	First Floor - Ceiling Plaster - Texture		
		Homogeneity	Homogeneous		
PLM NYS 198.1 Friable	10/01/2023	White		100.00% Non-fibrous (other)	**None Detected**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB					**Not Analyzed**
Sample ID BH-02-02-L2 *042323555-0023*		**Description**	First Floor - Ceiling Plaster - Finish Coat		
		Homogeneity	Homogeneous		
PLM NYS 198.1 Friable	10/01/2023	White		100.00% Non-fibrous (other)	**None Detected**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB					**Not Analyzed**
Sample ID BH-02-03-L2 *042323555-0024*		**Description**	First Floor - Ceiling Plaster - Finish Coat		
		Homogeneity	Homogeneous		
PLM NYS 198.1 Friable	10/01/2023	White		100.00% Non-fibrous (other)	**None Detected**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB					**Not Analyzed**
Sample ID BH-02-04-L2 *042323555-0025*		**Description**	Second Floor - Ceiling Plaster - Finish Coat		
		Homogeneity	Homogeneous		
PLM NYS 198.1 Friable	10/01/2023	White		100.00% Non-fibrous (other)	**None Detected**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB					**Not Analyzed**
Sample ID BH-02-05-L2 *042323555-0026*		**Description**	Second Floor - Ceiling Plaster - Finish Coat		
		Homogeneity	Homogeneous		
PLM NYS 198.1 Friable	10/01/2023	White		100.00% Non-fibrous (other)	**None Detected**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB					**Not Analyzed**
Sample ID BH-02-06-L2 *042323555-0027*		**Description**	Second Floor - Ceiling Plaster - Finish Coat		
		Homogeneity	Homogeneous		
PLM NYS 198.1 Friable	10/01/2023	White		100.00% Non-fibrous (other)	**None Detected**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB					**Not Analyzed**

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EMSL Order:	042323555
Customer ID:	MATX53
Customer PO:	
Project ID:	

Test Report:Asbestos Analysis of Bulk Material

Test	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos
Sample ID BH-02-07-L2 *042323555-0028*		**Description** Thrid Floor - Ceiling Plaster - Finish Coat **Homogeneity** Homogeneous			
PLM NYS 198.1 Friable	10/01/2023	White		100.00% Non-fibrous (other)	**None Detected**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB					**Not Analyzed**
Sample ID BH-03-01-L1 *042323555-0029*		**Description** Thrid Floor Hall - Mudded Joint Insulation **Homogeneity** Homogeneous			
PLM NYS 198.1 Friable	10/01/2023	Gray	40.00% Min. Wool	60.00% Non-fibrous (other)	**None Detected**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB					**Not Analyzed**
Sample ID BH-03-02-L1 *042323555-0030*		**Description** Thrid Floor Hall - Mudded Joint Insulation **Homogeneity** Homogeneous			
PLM NYS 198.1 Friable	10/01/2023	Gray	40.00% Min. Wool	60.00% Non-fibrous (other)	**None Detected**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB					**Not Analyzed**
Sample ID BH-03-03-L1 *042323555-0031*		**Description** Thrid Floor Hall - Mudded Joint Insulation **Homogeneity** Homogeneous			
PLM NYS 198.1 Friable	10/01/2023	Gray	45.00% Min. Wool	55.00% Non-fibrous (other)	**None Detected**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB					**Not Analyzed**
Sample ID BH-03-01-L2 *042323555-0032*		**Description** Thrid Floor Hall - Associated Jacket **Homogeneity** Heterogeneous			
PLM NYS 198.1 Friable	10/01/2023	Gray/ White	85.00% Cellulose 10.00% Min. Wool	5.00% Non-fibrous (other)	**None Detected**
Result includes a small amount of inseparable attached material					
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB					**Not Analyzed**
Sample ID BH-03-02-L2 *042323555-0033*		**Description** Thrid Floor Hall - Associated Jacket **Homogeneity** Heterogeneous			
PLM NYS 198.1 Friable	10/01/2023	Gray/ White	85.00% Cellulose 10.00% Min. Wool	5.00% Non-fibrous (other)	**None Detected**
Result includes a small amount of inseparable attached material					
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB					**Not Analyzed**

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EMSL Order: 042323555
Customer ID: MATX53
Customer PO:
Project ID:

Test Report:Asbestos Analysis of Bulk Material

Test	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos
Sample ID BH-03-03-L2		**Description**	Thrid Floor Hall - Associated Jacket		
042323555-0034		**Homogeneity**	Homogeneous		
PLM NYS 198.1 Friable	10/01/2023	White	85.00% Cellulose	15.00% Non-fibrous (other)	**None Detected**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB					**Not Analyzed**
Sample ID BH-04-01		**Description**	Thrid Floor Hall - All Service Jacket to Fiberglass Pipe Insulation		
042323555-0035		**Homogeneity**	Homogeneous		
PLM NYS 198.1 Friable	10/01/2023	White/ Silver	85.00% Cellulose 10.00% Glass	5.00% Non-fibrous (other)	**None Detected**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB					**Not Analyzed**
Sample ID BH-04-02		**Description**	Thrid Floor Hall - All Service Jacket to Fiberglass Pipe Insulation		
042323555-0036		**Homogeneity**	Homogeneous		
PLM NYS 198.1 Friable	10/01/2023	White/ Silver	85.00% Cellulose 10.00% Glass	5.00% Non-fibrous (other)	**None Detected**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB					**Not Analyzed**
Sample ID BH-04-03		**Description**	Thrid Floor Hall - All Service Jacket to Fiberglass Pipe Insulation		
042323555-0037		**Homogeneity**	Homogeneous		
PLM NYS 198.1 Friable	10/01/2023	White/ Silver	60.00% Cellulose 10.00% Glass	30.00% Non-fibrous (other)	**None Detected**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB					**Not Analyzed**
Sample ID BH-05-01		**Description**	Exterior - Exterior Window Glazing		
042323555-0038		**Homogeneity**	Homogeneous		
PLM NYS 198.1 Friable					**Not Analyzed**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB	10/01/2023	White		100.00% Other	**Inconclusive: None Detected**
TEM NYS 198.4 NOB	10/02/2023	White	None	100.00% Other	**<1% Anthophyllite**
Sample ID BH-05-02		**Description**	Exterior - Exterior Window Glazing		
042323555-0039		**Homogeneity**	Homogeneous		
PLM NYS 198.1 Friable					**Not Analyzed**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB	10/01/2023	White	<1.00% Fibrous (other)	100.00% Other	**Inconclusive: None Detected**
TEM NYS 198.4 NOB	10/02/2023	White	None	100.00% Other	**<1% Anthophyllite**

Initial report from: 10/02/2023 15:57:58

EMSL Analytical, Inc.
200 Route 130 North Cinnaminson, NJ 08077
Tel/Fax: (800) 220-3675 / (856) 786-5974
http://www.EMSL.com / cinnasblab@EMSL.com

EMSL Order:	042323555
Customer ID:	MATX53
Customer PO:	
Project ID:	

Test Report:Asbestos Analysis of Bulk Material

Test	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos
Sample ID BH-06M-01 *042323555-0040*		**Description**	Second Floor Bathroom - Black Mastic		
		Homogeneity	Homogeneous		
PLM NYS 198.1 Friable					**Not Analyzed**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB	10/01/2023	Black		100.00% Other	**Inconclusive: None Detected**
TEM NYS 198.4 NOB	10/02/2023	Black	None	100.00% Other	**<1% Chrysotile**
Sample ID BH-06M-02 *042323555-0041*		**Description**	Second Floor Bathroom - Black Mastic		
		Homogeneity	Homogeneous		
PLM NYS 198.1 Friable					**Not Analyzed**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB	10/01/2023	Black		100.00% Other	**Inconclusive: None Detected**
TEM NYS 198.4 NOB	10/02/2023	Black	None	100.00% Other	**<1% Chrysotile**
Sample ID BH-06-01 *042323555-0042*		**Description**	Second Floor Bathroom - 12"x12" Tan Vinyl Floor Tile		
		Homogeneity	Homogeneous		
PLM NYS 198.1 Friable					**Not Analyzed**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB	10/01/2023	Tan		100.00% Other	**Inconclusive: None Detected**
TEM NYS 198.4 NOB	10/02/2023	Tan	None	98.20% Other	**1.80% Chrysotile**
Sample ID BH-06-02 *042323555-0043*		**Description**	Second Floor Bathroom - 12"x12" Tan Vinyl Floor Tile		
		Homogeneity	Homogeneous		
PLM NYS 198.1 Friable					**Not Analyzed**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB	10/01/2023	Tan		100.00% Other	**Inconclusive: None Detected**
TEM NYS 198.4 NOB	10/02/2023				**Positive Stop (Not Analyzed)**

Initial report from: 10/02/2023 15:57:58

EMSL Analytical, Inc.
200 Route 130 North Cinnaminson, NJ 08077
Tel/Fax: (800) 220-3675 / (856) 786-5974
http://www.EMSL.com / cinnasblab@EMSL.com

EMSL Order:	042323555
Customer ID:	MATX53
Customer PO:	
Project ID:	

Test Report:Asbestos Analysis of Bulk Material

The samples in this report were submitted to EMSL for analysis by Asbestos Analysis of Bulk Materials via NYS ELAP Approved Methods . The reference number for these samples is the EMSL Order ID above. Please use this reference number when calling about these samples.

Report Comments:

Sample Receipt Date:	9/28/2023	Sample Receipt Time:	8:10 PM
Analysis Completed Date:	10/1/2023	Analysis Completed Time:	5:25 PM

Analyst(s):

Brett Polumbo PLM NYS 198.1 Friable (7)

Michael Bocchicchio PLM NYS 198.1 Friable (32)

Brett Polumbo PLM NYS 198.6 NOB (3)

Michael Bocchicchio PLM NYS 198.6 NOB (3)

Daniel Blake TEM NYS 198.4 NOB (3)

Quynh Vu TEM NYS 198.4 NOB (2)

Samples reviewed and approved by:

Samantha Rundstrom, Laboratory Manager
or Other Approved Signatory

Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ NYS ELAP 10872, PA ID# 68-00367, NVLAP Lab Code 101048-0

Initial report from: 10/02/2023 15:57:58

OrderID: 042323555

EMSL ANALYTICAL, INC.
LABORATORY • PRODUCTS • TRAINING

Asbestos Chain of Custody

EMSL Order Number *(Lab Use Only)*: 042323555

EMSL ANALYTICAL, INC.
200 ROUTE 130 NORTH
CINNAMINSON, NJ 08077
PHONE: (800) 220-3675
FAX: (856) 786-5974

Company : Matrix New World	**EMSL-Bill to:** ☐ Same ☐ Different If Bill to is Different note instructions in Comments** *Third Party Billing requires written authorization from third party*
Street: 26 Columbia Turnpike	
City: Florham Park **State/Province:** NJ	**Zip/Postal Code:** **Country:**
Report To (Name): Matthew Sheldon	**Telephone #:**
Email Address: Hazmat.labs@matrixneworld.com	**Fax #:** **Purchase Order:**
Project Name/Number: 23-0088 - Bed for house	**Please Provide Results:** ☐ Fax ☐ Email ☐ Mail
U.S. State Samples Taken: NY	**Connecticut Samples:** ☐ Commercial ☐ Residential

Turnaround Time (TAT) Options* – Please Check

☐ 3 Hour | ☐ 6 Hour | ☐ 24 Hour | ☒ 48 Hour | ☐ 72 Hour | ☐ 96 Hour | ☐ 1 Week | ☐ 2 Week

**For TEM Air 3 hr through 6 hr, please call ahead to schedule. There is a premium charge for 3 Hour TEM AHERA or EPA Level II TAT. You will be asked to sign an authorization form for this service. Analysis completed in accordance with EMSL's Terms and Conditions located in the Analytical Price Guide.*

PCM - Air ☐ Check if samples are from NY
- ☐ NIOSH 7400
- ☐ w/ OSHA 8hr. TWA

PLM - Bulk (reporting limit)
- ☐ PLM EPA 600/R-93/116 (<1%)
- ☐ PLM EPA NOB (<1%)

Point Count
- ☐ 400 (<0.25%) ☐ 1000 (<0.1%)

Point Count w/Gravimetric
- ☐ 400 (<0.25%) ☐ 1000 (<0.1%)
- ☑ NYS 198.1 (friable in NY)
- ☑ NYS 198.6 NOB (non-friable-NY)
- ☐ NIOSH 9002 (<1%)

TEM – Air ☐ 4-4.5hr TAT (AHERA only)
- ☐ AHERA 40 CFR, Part 763
- ☐ NIOSH 7402
- ☐ EPA Level II
- ☐ ISO 10312

TEM - Bulk
- ☐ TEM EPA NOB
- ☑ NYS NOB 198.4 (non-friable-NY)
- ☐ Chatfield SOP
- ☐ TEM Mass Analysis-EPA 600 sec. 2.5

TEM – Water: EPA 100.2
- Fibers >10µm ☐ Waste ☐ Drinking
- All Fiber Sizes ☐ Waste ☐ Drinking

TEM- Dust
- ☐ Microvac - ASTM D 5755
- ☐ Wipe - ASTM D6480
- ☐ Carpet Sonication (EPA 600/J-93/167)

Soil/Rock/Vermiculite
- ☐ PLM CARB 435 - A (0.25% sensitivity)
- ☐ PLM CARB 435 - B (0.1% sensitivity)
- ☐ TEM CARB 435 - B (0.1% sensitivity)
- ☐ TEM CARB 435 - C (0.01% sensitivity)
- ☐ TEM Qual. via Filtration Technique
- ☐ TEM Qual. via Drop-Mount Technique

Other:
- ☐

☑ **Check For Positive Stop – Clearly Identify Homogenous Group** | **Filter Pore Size (Air Samples):** ☐ 0.8µm ☐ 0.45µm

Samplers Name: Matthew Sheldon **Samplers Signature:**

Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled

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2023 SEP 28 P 8:11

Client Sample # (s): BH-01-01-L1 - BH-06-02 **Total # of Samples:** 43

Relinquished (Client): **Date:** 9/28/23 **Time:** 1455

Received (Lab): BT DB **Date:** 9/28/23 **Time:** 8:10pm

Comments/Special Instructions:

43

MATRIXNEWORLD
Engineering Progress

Matrix New World Engineering, Land Surveying,
and Landscape Architecture, PC
20 West 37th Street, 12th Floor
New York, New York 10018

BULK SAMPLE DATA AND CHAIN OF CUSTODY FORM

042323555

PROJECT INFORMATION

Client:	Beyer Blinder Belle Architects & Planners
Project Name:	NYSOPRHP John Jay Homestead Site
Address:	400 Jay Street
	Katonah, New York
	Bedford House
Date:	
Email Results to:	Hazmat.Labs@matrixneworld.com

Matrix Project No.: 23-0088

Requested Analysis

- ☑ NYS ELAP 198.1 ☐ EPA/600/R-93
- ☑ NYS ELAP 198.4 ☐ PLM EPA NOB-EPA/600/R-93
- ☑ NYS ELAP 198.6 ☐ TEM EPA NOB - EPA 600/R-93
- ☐ NYS ELAP 198.8 ☐ Other (specify)

Project Manager: M. Sheldon
Investigator(s): M. Ceselka, T. MacGillivray, J. Toth

Turn Around Time

☐ STAT ☐ 24 Hour ☒ 48 Hour ☐ 72 Hour ☐ 5 Day ☐ 1 Week ☐ Other (specify)

BULK SAMPLE INFORMATION

HA No.	Floor	Bulk Sample ID No.	Homogeneous Material	Material Type	Sample Location	Quantity (FT/FT²/Each)	Asbestos Content	Analysis PLM	Analysis PLM-NOB	Analysis TEM
BH-01		BH-01-01-L1	Wall Plaster (Scratch Coat)	Surf	First Floor			X		
		BH-01-02-L1			↓			X		
		BH-01-03-L1			↓			X		
		BH-01-04-L1			Second Floor			X		
		BH-01-05-L1			↓			X		
		BH-01-06-L1			↓			X		
		BH-01-07-L1			Third Floor			X		
		BH-01-01-L2	Wall Plaster (Finish Coat)		↳ First Floor			X		
		BH-01-02-L2			~~First Floor~~ ↓			X		
		BH-01-03-L2			↳ Second Floor			X		
		BH-01-04-L2			~~Second Floor~~ ↓			X		
		BH-01-05-L2			↳ Third Floor			X		
		BH-01-06-L2						X		
		BH-01-07-L2						X		
BH-02		BH-02-01-L1	Ceiling Plaster (Scratch Coat)		First Floor			X		
		BH-02-02-L1			↓			X		
		BH-02-03-L1			↓			X		
		BH-02-04-L1			Second Floor			X		
		BH-02-05-L1			↓			X		
		BH-02-06-L1			↓			X		
		BH-02-07-L1			Third Floor			X		
		BH-02-01-L2	Ceiling Plaster (Finish Coat)		First Floor			X		

CHAIN OF CUSTODY

Relinquished By:	Date / Time:
I. (Signature) Tyler MacGillivray (Print)	9/29/23
II. (Signature) (Print)	

Received By:	Date / Time:
I. (Signature)	
(Print)	
II. (Signature)	
(Print)	

2023 SEP 28 8:11
EMSL
CINNAMINSON, NJ
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Additional Notes:
* Stop at first positive for each homogeneous material as specified.
*Analyze by Layer. If PLM-NOB is inconclusive, re-analyze by TEM.
*Contact Project Manager Before Performing Method 198.8 unless otherwise specified.

042323555

MATRIXNEWORLD
Engineering Progress

Matrix New World Engineering, Land Surveying,
and Landscape Architecture, PC
20 West 37th Street, 12th Floor
New York, New York 10018

BULK SAMPLE DATA AND CHAIN OF CUSTODY FORM

PROJECT INFORMATION

Client:	Beyer Blinder Belle Architects & Planners
Project Name:	NYSOPRHP John Jay Homestead Site
Address:	400 Jay Street Katonah, New York
Date:	
Email Results to:	Hazmat.Labs@matrixneworld.com

Matrix Project No.
23-0088

Requested Analysis

- ☑ NYS ELAP 198.1 ☐ EPA/600/R-93
- ☑ NYS ELAP 198.4 ☐ PLM EPA NOB-EPA/600/R-93
- ☑ NYS ELAP 198.6 ☐ TEM EPA NOB - EPA 600/R-93
- ☐ NYS ELAP 198.8 ☐ Other (specify)

Project Manager: M. Sheldon
Investigator(s): M. Ceselka
T. MacGillivray
J. Toth

Turn Around Time

☐ STAT ☐ 48 Hour ☐ 5 Day ☐ Other (specify)
☐ 24 Hour ☐ 72 Hour ☐ 1 Week

BULK SAMPLE INFORMATION

HA No.	Floor	Bulk Sample ID No.	Homogeneous Material	Material Type	Sample Location	Quantity (FT/FT²/Each)	Asbestos Content	Analysis		
								PLM	PLM-NOB	TEM
BH-02		BH-02-02-L2	Ceiling Plaster (Finish Coat)	Surf	First Floor			X		
		BH-02-03-L2			↓			X		
		BH-02-04-L2			Second Floor			X		
		BH-02-05-L2			↓			X		
		BH-02-06-L2						X		
↓		BH-02-07-L2	↓	↓	Third Floor			X		
BH-03		BH-03-01-L1	Mudded Joint Insulation	TSI	Third Floor Hall			X		
		BH-03-02-L1						X		
		BH-03-03-L1	↓					X		
		BH-03-01-L2	Associated Jacket					X		
		BH-03-02-L2						X		
↓		BH-03-03-L2	↓	↓	↓			X		
BH-04		BH-04-01	All Service Jacket to Fiber	TSI	Third Floor Hall			X		
		BH-04-02	glass Pipe Insulation					X		
		BH-04-03	↓	↓	↓			X		
BH-05		BH-05-01	Exterior Window Glazing	Misc	Exterior				X	X
		BH-05-02	↓	↓	↓				X	X
BH-06		BH-06-01	Black Mastic		Second Floor Bathroom				X	X
		BH-06-02	↓						X	X
		BH-06-01	12"x12" Tan Vinyl Floor Tile						X	X
↓		BH-06-02	↓	↓	↓				X	X

CHAIN OF CUSTODY

Relinquished By:		Date / Time:
I.	(Signature)	9/28/23
	Tyler MacGillivray (Print)	
II.	(Signature)	
	(Print)	

Received By:		Date / Time:
I.	(Signature)	
	(Print)	
II.	(Signature)	
	(Print)	

RECEIVED
EMSL
CINNAMINSON, NJ
2023 SEP 28 P 8:11

Additional Notes:
* Stop at first positive for each homogeneous material as specified.
*Analyze by Layer. If PLM-NOB is inconclusive, re-analyze by TEM.
*Contact Project Manager Before Performing Method 198.8 unless otherwise specified.

EMSL Analytical, Inc.

10-39 45th Road Long Island City, NY 11101
Tel/Fax: (212) 290-0051 / (212) 290-0058
http://www.EMSL.com / manhattanlab@emsl.com

EMSL Order: 032400331
Customer ID: MATX53
Customer PO:
Project ID:

Attention: Tyler MacGillvray
Matrix New World Engineering
26 Columbia Turnpike
Florham Park, NJ 07932

Phone: (973) 240-1800
Fax: (973) 240-1818
Received Date: 01/09/2024 12:22 PM
Analysis Date: 01/13/2024 - 01/15/2024
Collected Date: 01/04/2024

Project: 23-0088/ Beyer Blinder Belle Architects & Planners/ NYSOPRHP John Jay Homestead Site/ 400 Jay Street/ Katonah New York

Test Report:Asbestos Analysis of Bulk Material

Test	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos
Sample ID BH-07-01		**Description**	Basement Bedford Room B18 - Skim Coat to Rubber Wall		
032400331-0001		**Homogeneity**	Homogeneous		
PLM NYS 198.1 Friable	01/14/2024	Various	2.00% Cellulose	55.00% Ca Carbonate 3.00% Mica 20.00% Non-fibrous (other) 20.00% Quartz	**None Detected**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB					**Not Analyzed**
Sample ID BH-07-02		**Description**	Basement Bedford Room B17 - Skim Coat to Rubber Wall		
032400331-0002		**Homogeneity**	Homogeneous		
PLM NYS 198.1 Friable	01/14/2024	Various	2.00% Cellulose	60.00% Ca Carbonate 3.00% Mica 20.00% Non-fibrous (other) 15.00% Quartz	**None Detected**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB					**Not Analyzed**
Sample ID BH-07-03		**Description**	Basement Bedford Room B16 - Skim Coat to Rubber Wall		
032400331-0003		**Homogeneity**	Homogeneous		
PLM NYS 198.1 Friable	01/15/2024	Gray/ Tan/ Red		50.00% Ca Carbonate 2.00% Mica 33.00% Non-fibrous (other) 15.00% Quartz	**None Detected**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB					**Not Analyzed**
Sample ID BH-08-01		**Description**	Basement Bedford Room B17 - Rubber Wall Mortar		
032400331-0004		**Homogeneity**	Homogeneous		
PLM NYS 198.1 Friable	01/14/2024	Tan		55.00% Ca Carbonate 5.00% Mica 20.00% Non-fibrous (other) 20.00% Quartz	**None Detected**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB					**Not Analyzed**

Initial report from: 01/14/2024 14:54:27

EMSL Analytical, Inc.
10-39 45th Road Long Island City, NY 11101
Tel/Fax: (212) 290-0051 / (212) 290-0058
http://www.EMSL.com / manhattanlab@emsl.com

EMSL Order: 032400331
Customer ID: MATX53
Customer PO:
Project ID:

Test Report:Asbestos Analysis of Bulk Material

Test	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos
Sample ID BH-08-02 *032400331-0005*		**Description** Basement Bedford Room B16 - Rubber Wall Mortar **Homogeneity** Homogeneous			
PLM NYS 198.1 Friable	01/15/2024	Gray/ Tan		25.00% Ca Carbonate 3.00% Mica 17.00% Non-fibrous (other) 55.00% Quartz	**None Detected**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB					**Not Analyzed**
Sample ID BH-09G-01 *032400331-0006*		**Description** 1st Floor Bedford Room B102 - Ceramic Chimney Tile Grout **Homogeneity** Homogeneous			
PLM NYS 198.1 Friable	01/14/2024	Gray		55.00% Ca Carbonate 5.00% Mica 15.00% Non-fibrous (other) 25.00% Quartz	**None Detected**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB					**Not Analyzed**
Sample ID BH-09G-02 *032400331-0007*		**Description** 1st Floor Bedford Room B102 - Ceramic Chimney Tile Grout **Homogeneity** Homogeneous			
PLM NYS 198.1 Friable	01/15/2024	Gray		30.00% Ca Carbonate 1.00% Mica 24.00% Non-fibrous (other) 45.00% Quartz	**None Detected**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB					**Not Analyzed**
Sample ID BH-09M-01 *032400331-0008*		**Description** 1st Floor Bedford Room B102 - Ceramic Chimney Tile Mortar **Homogeneity** Homogeneous			
PLM NYS 198.1 Friable	01/14/2024	Gray		60.00% Ca Carbonate 5.00% Mica 15.00% Non-fibrous (other) 20.00% Quartz	**None Detected**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB					**Not Analyzed**
Sample ID BH-09M-02 *032400331-0009*		**Description** 1st Floor Bedford Room B102 - Ceramic Chimney Tile Mortar **Homogeneity** Homogeneous			
PLM NYS 198.1 Friable	01/15/2024	Gray		30.00% Ca Carbonate 1.00% Mica 19.00% Non-fibrous (other) 50.00% Quartz	**None Detected**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB					**Not Analyzed**

Initial report from: 01/14/2024 14:54:27

EMSL Analytical, Inc.
10-39 45th Road Long Island City, NY 11101
Tel/Fax: (212) 290-0051 / (212) 290-0058
http://www.EMSL.com / manhattanlab@emsl.com

EMSL Order: 032400331
Customer ID: MATX53
Customer PO:
Project ID:

Test Report:Asbestos Analysis of Bulk Material

Test	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos
Sample ID BH-10-01 *032400331-0010*		**Description** 1st Floor Bedford Room B102 - (Green) Fem Patterned Wall Paper **Homogeneity** Heterogeneous			
PLM NYS 198.1 Friable					**Not Analyzed**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB	01/13/2024	Yellow/ Green		100.00% Other	**Inconclusive: None Detected**
TEM NYS 198.4 NOB	01/14/2024	Yellow/ Green		100.00% Other	**None Detected**
Sample ID BH-10-02 *032400331-0011*		**Description** 1st Floor Bedford Room B102 - (Green) Fem Patterned Wall Paper **Homogeneity** Heterogeneous			
PLM NYS 198.1 Friable					**Not Analyzed**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB	01/13/2024	Yellow/ Green		100.00% Other	**Inconclusive: None Detected**
TEM NYS 198.4 NOB	01/14/2024	Yellow/ Green		100.00% Other	**None Detected**
Sample ID BH-11G-01 *032400331-0012*		**Description** 1st Floor Bedford Room B104 - Ceramic Chimney Tile Grout **Homogeneity** Homogeneous			
PLM NYS 198.1 Friable	01/14/2024	Gray		55.00% Ca Carbonate 5.00% Mica 20.00% Non-fibrous (other) 20.00% Quartz	**None Detected**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB					**Not Analyzed**
Sample ID BH-11G-02 *032400331-0013*		**Description** 1st Floor Bedford Room B104 - Ceramic Chimney Tile Grout **Homogeneity** Homogeneous			
PLM NYS 198.1 Friable	01/15/2024	Gray		35.00% Ca Carbonate 1.00% Mica 19.00% Non-fibrous (other) 45.00% Quartz	**None Detected**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB					**Not Analyzed**
Sample ID BH-11M-01 *032400331-0014*		**Description** 1st Floor Bedford Room B104 - Ceramic Chimney Tile Mortar **Homogeneity** Homogeneous			
PLM NYS 198.1 Friable	01/14/2024	Gray		55.00% Ca Carbonate 5.00% Mica 15.00% Non-fibrous (other) 25.00% Quartz	**None Detected**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB					**Not Analyzed**

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EMSL Order: 032400331
Customer ID: MATX53
Customer PO:
Project ID:

Test Report:Asbestos Analysis of Bulk Material

Test	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos
Sample ID BH-11M-02 *032400331-0015*		**Description** 1st Floor Bedford Room B104 - Ceramic Chimney Tile Mortar **Homogeneity** Homogeneous			
PLM NYS 198.1 Friable	01/15/2024	Gray		25.00% Ca Carbonate 25.00% Non-fibrous (other) 50.00% Quartz	**None Detected**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB					**Not Analyzed**
Sample ID BH-12-01 *032400331-0016*		**Description** 1st Floor Bedford Room B104 - (Brown) Grape Leaf Patterned Wall Paper **Homogeneity** Heterogeneous			
PLM NYS 198.1 Friable					**Not Analyzed**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB	01/13/2024	Yellow		100.00% Other	**Inconclusive: None Detected**
TEM NYS 198.4 NOB	01/14/2024	Yellow		100.00% Other	**None Detected**
Sample ID BH-12-02 *032400331-0017*		**Description** 1st Floor Bedford Room B104 - (Brown) Grape Leaf Patterned Wall Paper **Homogeneity** Heterogeneous			
PLM NYS 198.1 Friable					**Not Analyzed**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB	01/13/2024	Yellow		100.00% Other	**Inconclusive: None Detected**
TEM NYS 198.4 NOB	01/14/2024	Yellow		100.00% Other	**None Detected**
Sample ID BH-13-01 *032400331-0018*		**Description** 1st Floor Bedford Room B105 - (Black & Gold) Leaf Patterned Wall Paper **Homogeneity** Heterogeneous			
PLM NYS 198.1 Friable					**Not Analyzed**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB	01/13/2024	Black/ Yellow		100.00% Other	**Inconclusive: None Detected**
TEM NYS 198.4 NOB	01/14/2024	Black/ Yellow		100.00% Other	**None Detected**
Sample ID BH-13-02 *032400331-0019*		**Description** 1st Floor Bedford Room B105A - (Black & Gold) Leaf Patterned Wall Paper **Homogeneity** Heterogeneous			
PLM NYS 198.1 Friable					**Not Analyzed**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB	01/13/2024	Black/ Yellow		100.00% Other	**Inconclusive: None Detected**
TEM NYS 198.4 NOB	01/14/2024	Black/ Yellow		100.00% Other	**None Detected**
Sample ID BH-14-01 *032400331-0020*		**Description** 1st Floor Bedford Room B106 - (Tan) Leaf Patterned Wall Paper **Homogeneity** Heterogeneous			
PLM NYS 198.1 Friable					**Not Analyzed**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB	01/13/2024	Brown/ Yellow		100.00% Other	**Inconclusive: None Detected**
TEM NYS 198.4 NOB	01/14/2024	Brown/ Yellow		100.00% Other	**None Detected**

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Test Report:Asbestos Analysis of Bulk Material

Test	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos
Sample ID BH-14-02 *032400331-0021*		**Description** 1st Floor Bedford Room B106 - (Tan) Leaf Patterned Wall Paper **Homogeneity** Heterogeneous			
PLM NYS 198.1 Friable					**Not Analyzed**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB	01/13/2024	Brown/ Yellow		100.00% Other	**Inconclusive: None Detected**
TEM NYS 198.4 NOB	01/14/2024	Brown/ Yellow		100.00% Other	**None Detected**
Sample ID BH-15-01 *032400331-0022*		**Description** 1st Floor Bedford Room B204 - (Blue) Flower Pot Wall Paper **Homogeneity** Heterogeneous			
PLM NYS 198.1 Friable					**Not Analyzed**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB	01/13/2024	Black/ Yellow		100.00% Other	**Inconclusive: None Detected**
TEM NYS 198.4 NOB	01/14/2024	Black/ Yellow		100.00% Other	**None Detected**
Sample ID BH-15-02 *032400331-0023*		**Description** 1st Floor Bedford Room B204 - (Blue) Flower Pot Wall Paper **Homogeneity** Heterogeneous			
PLM NYS 198.1 Friable					**Not Analyzed**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB	01/13/2024	Blue/ Yellow		100.00% Other	**Inconclusive: None Detected**
TEM NYS 198.4 NOB	01/14/2024	Blue/ Yellow		100.00% Other	**None Detected**
Sample ID BH-16-01-L1 *032400331-0024*		**Description** 1st Floor Bedford Room B17 - Corrugated Pipe Insulation **Homogeneity** Homogeneous			
PLM NYS 198.1 Friable	01/14/2024	Gray	5.00% Cellulose	15.00% Ca Carbonate 20.00% Non-fibrous (other) 10.00% Quartz	**50.00% Chrysotile**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB					**Not Analyzed**
Sample ID BH-16-02-L1 *032400331-0025*		**Description** 1st Floor Bedford Room B17 - Corrugated Pipe Insulation **Homogeneity**			
PLM NYS 198.1 Friable	01/14/2024				**Positive Stop (Not Analyzed)**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB					**Not Analyzed**
Sample ID BH-16-03-L1 *032400331-0026*		**Description** 1st Floor Bedford Room B17 - Corrugated Pipe Insulation **Homogeneity**			
PLM NYS 198.1 Friable	01/14/2024				**Positive Stop (Not Analyzed)**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB					**Not Analyzed**

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Test Report:Asbestos Analysis of Bulk Material

Test	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos
Sample ID BH-16-01-L2 *032400331-0027*		**Description** 1st Floor Bedford Room B17 - Associated Jacket **Homogeneity** Homogeneous			
PLM NYS 198.1 Friable	01/14/2024	Gray	10.00% Cellulose	5.00% Ca Carbonate 30.00% Non-fibrous (other) 15.00% Quartz	**40.00% Chrysotile**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB					**Not Analyzed**
Sample ID BH-16-02-L2 *032400331-0028*		**Description** 1st Floor Bedford Room B17 - Associated Jacket **Homogeneity**			
PLM NYS 198.1 Friable	01/14/2024				**Positive Stop (Not Analyzed)**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB					**Not Analyzed**
Sample ID BH-16-03-L2 *032400331-0029*		**Description** 1st Floor Bedford Room B17 - Associated Jacket **Homogeneity**			
PLM NYS 198.1 Friable	01/14/2024				**Positive Stop (Not Analyzed)**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB					**Not Analyzed**
Sample ID BH-17-01 *032400331-0030*		**Description** 1st Floor Bedford Room B16 - Chimney Liner **Homogeneity** Homogeneous			
PLM NYS 198.1 Friable	01/14/2024	Tan	2.00% Cellulose	40.00% Ca Carbonate 3.00% Mica 35.00% Non-fibrous (other) 20.00% Quartz	**None Detected**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB					**Not Analyzed**
Sample ID BH-17-02 *032400331-0031*		**Description** 1st Floor Bedford Room B16 - Chimney Liner **Homogeneity** Homogeneous			
PLM NYS 198.1 Friable	01/14/2024	Tan		55.00% Ca Carbonate 5.00% Mica 20.00% Non-fibrous (other) 20.00% Quartz	**None Detected**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB					**Not Analyzed**

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Test Report:Asbestos Analysis of Bulk Material

Test	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos
Sample ID BH-17-03 *032400331-0032*		**Description** 1st Floor Bedford Room B16 - Chimney Liner **Homogeneity** Homogeneous			
PLM NYS 198.1 Friable	01/15/2024	Brown/ Gray/ Tan		25.00% Ca Carbonate 2.00% Mica 23.00% Non-fibrous (other) 50.00% Quartz	**None Detected**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB					**Not Analyzed**
Sample ID BH-18-01 *032400331-0033*		**Description** 1st Floor Bedford Room B128 - Carpet Glue **Homogeneity** Heterogeneous			
PLM NYS 198.1 Friable					**Not Analyzed**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB	01/13/2024	Yellow		100.00% Other	**Inconclusive: None Detected**
TEM NYS 198.4 NOB	01/14/2024	Yellow		100.00% Other	**None Detected**
Sample ID BH-18-02 *032400331-0034*		**Description** 1st Floor Bedford Room B128 - Carpet Glue **Homogeneity** Heterogeneous			
PLM NYS 198.1 Friable					**Not Analyzed**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB	01/13/2024	Yellow		100.00% Other	**Inconclusive: None Detected**
TEM NYS 198.4 NOB	01/14/2024	Yellow		100.00% Other	**None Detected**
Sample ID BH-19-01 *032400331-0035*		**Description** 1st Floor Bedford Room B115 - 12"x12" Tan Vinyl Floor Tile & Mastic **Homogeneity** Heterogeneous			
PLM NYS 198.1 Friable					**Not Analyzed**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB	01/13/2024	Tan		100.00% Other	**Inconclusive: None Detected**
TEM NYS 198.4 NOB	01/14/2024	Tan		100.00% Other	**None Detected**
Sample ID BH-19-01-Mastic *032400331-0035A*		**Description** 1st Floor Bedford Room B115 - 12"x12" Tan Vinyl Floor Tile & Mastic **Homogeneity** Heterogeneous			
PLM NYS 198.1 Friable					**Not Analyzed**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB	01/13/2024	Black		100.00% Other	**Inconclusive: None Detected**
TEM NYS 198.4 NOB	01/14/2024	Black		100.00% Other	**None Detected**
Sample ID BH-19-02 *032400331-0036*		**Description** 1st Floor Bedford Room B115 - 12"x12" Tan Vinyl Floor Tile & Mastic **Homogeneity** Heterogeneous			
PLM NYS 198.1 Friable					**Not Analyzed**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB	01/13/2024	Tan		100.00% Other	**Inconclusive: None Detected**
TEM NYS 198.4 NOB	01/14/2024	Tan		100.00% Other	**None Detected**

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Test Report:Asbestos Analysis of Bulk Material

Test	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos
Sample ID BH-19-02-Mastic *032400331-0036A*		**Description** **Homogeneity**	1st Floor Bedford Room B115 - 12"x12" Tan Vinyl Floor Tile & Mastic Heterogeneous		
PLM NYS 198.1 Friable					**Not Analyzed**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB	01/13/2024	Black		100.00% Other	**Inconclusive: None Detected**
TEM NYS 198.4 NOB	01/14/2024	Black		100.00% Other	**None Detected**
Sample ID BH-20-01-L1 *032400331-0037*		**Description** **Homogeneity**	Roof Bedford House Main Roof - Main Roof Composite (mesh) Heterogeneous		
PLM NYS 198.1 Friable					**Not Analyzed**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB	01/13/2024	Black		100.00% Other	**Inconclusive: None Detected**
TEM NYS 198.4 NOB	01/14/2024	Black		100.00% Other	**None Detected**
Sample ID BH-20-02-L1 *032400331-0038*		**Description** **Homogeneity**	Roof Bedford House Main Roof - Main Roof Composite (mesh) Heterogeneous		
PLM NYS 198.1 Friable					**Not Analyzed**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB	01/13/2024	Black		100.00% Other	**Inconclusive: None Detected**
TEM NYS 198.4 NOB	01/14/2024	Black		100.00% Other	**None Detected**
Sample ID BH-20-01-L2 *032400331-0039*		**Description** **Homogeneity**	Roof Bedford House Main Roof - Main Roof Composite (membrane) Heterogeneous		
PLM NYS 198.1 Friable					**Not Analyzed**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB	01/13/2024	Black		100.00% Other	**Inconclusive: None Detected**
TEM NYS 198.4 NOB	01/14/2024	Black		100.00% Other	**None Detected**
Sample ID BH-20-02-L2 *032400331-0040*		**Description** **Homogeneity**	Roof Bedford House Main Roof - Main Roof Composite (membrane) Heterogeneous		
PLM NYS 198.1 Friable					**Not Analyzed**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB	01/13/2024	Black		100.00% Other	**Inconclusive: None Detected**
TEM NYS 198.4 NOB	01/14/2024	Black		100.00% Other	**None Detected**
Sample ID CH-01-01 *032400331-0041*		**Description** **Homogeneity**	Basement Coach House Basement - All Service Jacket to Fiberglass Pipe Insulation Homogeneous		
PLM NYS 198.1 Friable	01/14/2024	White/ Silver	50.00% Cellulose 15.00% Glass	7.00% Ca Carbonate 3.00% Mica 20.00% Non-fibrous (other) 5.00% Quartz	**None Detected**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB					**Not Analyzed**

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Test Report:Asbestos Analysis of Bulk Material

Test	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos
Sample ID CH-01-02		**Description**	Basement Coach House Basement - All Service Jacket to Fiberglass Pipe Insulation		
032400331-0042		**Homogeneity**	Homogeneous		
PLM NYS 198.1 Friable	01/14/2024	White/ Silver	55.00% Cellulose 10.00% Glass	7.00% Ca Carbonate 3.00% Mica 20.00% Non-fibrous (other) 5.00% Quartz	**None Detected**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB					**Not Analyzed**
Sample ID CH-01-03		**Description**	Basement Coach House Basement - All Service Jacket to Fiberglass Pipe Insulation		
032400331-0043		**Homogeneity**	Homogeneous		
PLM NYS 198.1 Friable	01/15/2024	White/ Silver	45.00% Cellulose 8.00% Glass	47.00% Non-fibrous (other)	**None Detected**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB					**Not Analyzed**
Sample ID 19-01		**Description**	2nd Floor Brick Cottage - Second Floor Main Stair Landing - (Green) & (White) Stripped Wall Paper		
032400331-0044		**Homogeneity**	Heterogeneous		
PLM NYS 198.1 Friable					**Not Analyzed**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB	01/13/2024	White/ Green		100.00% Other	**Inconclusive: None Detected**
TEM NYS 198.4 NOB	01/14/2024	White/ Green		100.00% Other	**None Detected**
Sample ID 19-02		**Description**	2nd Floor Brick Cottage - Second Floor Main Stair Landing - (Green) & (White) Stripped Wall Paper		
032400331-0045		**Homogeneity**	Heterogeneous		
PLM NYS 198.1 Friable					**Not Analyzed**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB	01/13/2024	White/ Green		100.00% Other	**Inconclusive: None Detected**
TEM NYS 198.4 NOB	01/14/2024	White/ Green		100.00% Other	**None Detected**
Sample ID 20-01		**Description**	2nd Floor Brick Cottage Room #11 - (White) Wall Paper		
032400331-0046		**Homogeneity**	Heterogeneous		
PLM NYS 198.1 Friable					**Not Analyzed**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB	01/13/2024	White	<1.00% Fibrous (other)	100.00% Other	**Inconclusive: None Detected**
TEM NYS 198.4 NOB	01/14/2024	White	None	100.00% Other	**<1% Anthophyllite**
Sample ID 20-02		**Description**	2nd Floor Brick Cottage Room #09 - (White) Wall Paper		
032400331-0047		**Homogeneity**	Heterogeneous		
PLM NYS 198.1 Friable					**Not Analyzed**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB	01/13/2024	White	<1.00% Fibrous (other)	100.00% Other	**Inconclusive: None Detected**
TEM NYS 198.4 NOB	01/14/2024	White	None	100.00% Other	**<1% Anthophyllite**

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Test Report:Asbestos Analysis of Bulk Material

Test	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos
Sample ID 21-01 *032400331-0048*		**Description** 2nd Floor Brick Cottage Room #13 - Flower Print Wall Paper **Homogeneity** Heterogeneous			
PLM NYS 198.1 Friable					**Not Analyzed**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB	01/13/2024	Brown		100.00% Other	**Inconclusive: None Detected**
TEM NYS 198.4 NOB	01/15/2024	Brown		100.00% Other	**None Detected**
Sample ID 21-02 *032400331-0049*		**Description** 2nd Floor Brick Cottage Room #13 - Flower Print Wall Paper **Homogeneity** Heterogeneous			
PLM NYS 198.1 Friable					**Not Analyzed**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB	01/13/2024	Brown		100.00% Other	**Inconclusive: None Detected**
TEM NYS 198.4 NOB	01/15/2024	Brown		100.00% Other	**None Detected**
Sample ID 22-01 *032400331-0050*		**Description** 2nd Floor Brick Cottage Room #12 - Pink Flower Wall Paper **Homogeneity** Heterogeneous			
PLM NYS 198.1 Friable					**Not Analyzed**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB	01/13/2024	Pink		100.00% Other	**Inconclusive: None Detected**
TEM NYS 198.4 NOB	01/15/2024	Pink		100.00% Other	**None Detected**
Sample ID 22-02 *032400331-0051*		**Description** 2nd Floor Brick Cottage Room #12 - Pink Flower Wall Paper **Homogeneity** Heterogeneous			
PLM NYS 198.1 Friable					**Not Analyzed**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB	01/13/2024	Pink		100.00% Other	**Inconclusive: None Detected**
TEM NYS 198.4 NOB	01/14/2024	Pink		100.00% Other	**None Detected**
Sample ID 23-01 *032400331-0052*		**Description** 2nd Floor Brick Cottage Room #12 - (White) & (Yellow) Stripe Wall Paper **Homogeneity** Heterogeneous			
PLM NYS 198.1 Friable					**Not Analyzed**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB	01/13/2024	White/ Yellow		100.00% Other	**Inconclusive: None Detected**
TEM NYS 198.4 NOB	01/14/2024	White/ Yellow		100.00% Other	**None Detected**
Sample ID 23-02 *032400331-0053*		**Description** 2nd Floor Brick Cottage Room #12 - (White) & (Yellow) Stripe Wall Paper **Homogeneity** Heterogeneous			
PLM NYS 198.1 Friable					**Not Analyzed**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB	01/13/2024	White		100.00% Other	**Inconclusive: None Detected**
TEM NYS 198.4 NOB	01/14/2024	White		100.00% Other	**None Detected**

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Test Report:Asbestos Analysis of Bulk Material

Test	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos
Sample ID 24-01 *032400331-0054*		**Description** 2nd Floor Brick Cottage Room #09 - Strawberry Wall Paper **Homogeneity** Heterogeneous			
PLM NYS 198.1 Friable					**Not Analyzed**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB	01/13/2024	Brown		100.00% Other	**Inconclusive: None Detected**
TEM NYS 198.4 NOB	01/14/2024	Brown		100.00% Other	**None Detected**
Sample ID 24-02 *032400331-0055*		**Description** 2nd Floor Brick Cottage Room #09 - Strawberry Wall Paper **Homogeneity** Heterogeneous			
PLM NYS 198.1 Friable					**Not Analyzed**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB	01/13/2024	Brown		100.00% Other	**Inconclusive: None Detected**
TEM NYS 198.4 NOB	01/14/2024	Brown		100.00% Other	**None Detected**
Sample ID 25-01 *032400331-0056*		**Description** Basement Brick Cottage - Intermediate Space Bedroom - (Blue) Leaf Patterned Wall Paper **Homogeneity** Heterogeneous			
PLM NYS 198.1 Friable					**Not Analyzed**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB	01/13/2024	Blue		100.00% Other	**Inconclusive: None Detected**
TEM NYS 198.4 NOB	01/14/2024	Blue	None	100.00% Other	**<1% Anthophyllite**
Sample ID 25-02 *032400331-0057*		**Description** Basement Brick Cottage - Intermediate Space Bedroom - (Blue) Leaf Patterned Wall Paper **Homogeneity** Heterogeneous			
PLM NYS 198.1 Friable					**Not Analyzed**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB	01/13/2024	Blue	<1.00% Fibrous (other)	100.00% Other	**Inconclusive: None Detected**
TEM NYS 198.4 NOB	01/14/2024	Blue	None	100.00% Other	**<1% Anthophyllite**
Sample ID 26-01 *032400331-0058*		**Description** Basement Brick Cottage - Intermediate Space Bedroom - (Gray) Linoleum **Homogeneity** Heterogeneous			
PLM NYS 198.1 Friable					**Not Analyzed**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB	01/13/2024	Gray		100.00% Other	**Inconclusive: None Detected**
TEM NYS 198.4 NOB	01/14/2024	Gray		100.00% Other	**None Detected**
Sample ID 26-02 *032400331-0059*		**Description** Basement Brick Cottage - Intermediate Space Bedroom - (Gray) Linoleum **Homogeneity** Heterogeneous			
PLM NYS 198.1 Friable					**Not Analyzed**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB	01/13/2024	Gray		100.00% Other	**Inconclusive: None Detected**
TEM NYS 198.4 NOB	01/14/2024	Gray		100.00% Other	**None Detected**

Initial report from: 01/14/2024 14:54:27

EMSL Analytical, Inc.
10-39 45th Road Long Island City, NY 11101
Tel/Fax: (212) 290-0051 / (212) 290-0058
http://www.EMSL.com / manhattanlab@emsl.com

EMSL Order: 032400331
Customer ID: MATX53
Customer PO:
Project ID:

Test Report:Asbestos Analysis of Bulk Material

Test	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos
Sample ID 27-01 *032400331-0060*		**Description** Basement Brick Cottage - Boiler Room - Rope Gasket to Boiler **Homogeneity** Homogeneous			
PLM NYS 198.1 Friable	01/14/2024	Gray/ Tan/ Rust	20.00% Cellulose	7.00% Ca Carbonate 3.00% Mica 25.00% Non-fibrous (other) 5.00% Quartz	**40.00% Chrysotile**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB					**Not Analyzed**
Sample ID 27-02 *032400331-0061*		**Description** Basement Brick Cottage - Boiler Room - Rope Gasket to Boiler **Homogeneity**			
PLM NYS 198.1 Friable	01/14/2024				**Positive Stop (Not Analyzed)**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB					**Not Analyzed**
Sample ID 27-03 *032400331-0062*		**Description** Basement Brick Cottage - Boiler Room - Rope Gasket to Boiler **Homogeneity**			
PLM NYS 198.1 Friable	01/14/2024				**Positive Stop (Not Analyzed)**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB					**Not Analyzed**
Sample ID 28-01 *032400331-0063*		**Description** Basement Brick Cottage - Boiler Room - Boiler Inner Box **Homogeneity** Homogeneous			
PLM NYS 198.1 Friable	01/14/2024	Red/ Peach		35.00% Ca Carbonate 25.00% Non-fibrous (other) 25.00% Perlite 15.00% Quartz	**None Detected**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB					**Not Analyzed**
Sample ID 28-02 *032400331-0064*		**Description** Basement Brick Cottage - Boiler Room - Boiler Inner Box **Homogeneity** Homogeneous			
PLM NYS 198.1 Friable	01/14/2024	Red		35.00% Ca Carbonate 5.00% Mica 25.00% Non-fibrous (other) 20.00% Perlite 15.00% Quartz	**None Detected**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB					**Not Analyzed**

Initial report from: 01/14/2024 14:54:27

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10-39 45th Road Long Island City, NY 11101
Tel/Fax: (212) 290-0051 / (212) 290-0058
http://www.EMSL.com / manhattanlab@emsl.com

EMSL Order: 032400331
Customer ID: MATX53
Customer PO:
Project ID:

Test Report:Asbestos Analysis of Bulk Material

Test	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos
Sample ID 28-03 *032400331-0065*		**Description** Basement Brick Cottage - Boiler Room - Boiler Inner Box **Homogeneity** Homogeneous			
PLM NYS 198.1 Friable	01/15/2024	Brown/ Gray		55.00% Gypsum 20.00% Non-fibrous (other) 25.00% Perlite	**None Detected**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB					**Not Analyzed**
TEM NYS 198.4 NOB					**Not Analyzed**
Sample ID 29-01 *032400331-0066*		**Description** Basement Brick Cottage - First Floor - Braided Wire Insulation **Homogeneity** Heterogeneous			
PLM NYS 198.1 Friable					**Not Analyzed**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB	01/15/2024	Brown		100.00% Other	**Inconclusive: None Detected**
TEM NYS 198.4 NOB	01/15/2024	Brown		100.00% Other	**None Detected**
Sample ID 29-02 *032400331-0067*		**Description** Basement Brick Cottage - Second Floor - Braided Wire Insulation **Homogeneity** Heterogeneous			
PLM NYS 198.1 Friable					**Not Analyzed**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB	01/15/2024	Brown	19.00% Glass	81.00% Other	**Inconclusive: None Detected**
TEM NYS 198.4 NOB	01/15/2024	Brown		100.00% Other	**None Detected**

Initial report from: 01/14/2024 14:54:27

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10-39 45th Road Long Island City, NY 11101
Tel/Fax: (212) 290-0051 / (212) 290-0058
http://www.EMSL.com / manhattanlab@emsl.com

EMSL Order:	032400331
Customer ID:	MATX53
Customer PO:	
Project ID:	

Test Report:Asbestos Analysis of Bulk Material

The samples in this report were submitted to EMSL for analysis by Asbestos Analysis of Bulk Materials via NYS ELAP Approved Methods. The reference number for these samples is the EMSL Order ID above. Please use this reference number when calling about these samples.

Report Comments:

Sample Receipt Date:	1/9/2024	Sample Receipt Time:	12:22 PM
Analysis Completed Date:	1/13/2024	Analysis Completed Time:	4:10 PM

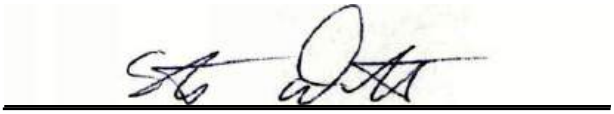
Analyst(s):

Jessica Macdonald PLM NYS 198.1 Friable (9)

Kerrie Gibson PLM NYS 198.1 Friable (16)

Gabriel Ortiz PLM NYS 198.6 NOB (36)

Jessica Macdonald PLM NYS 198.6 NOB (2)

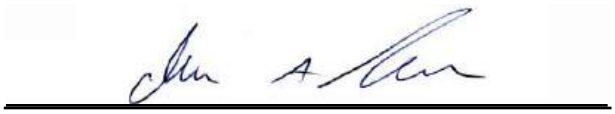


Steven Dutter TEM NYS 198.4 NOB (33)

Venisha Lazarus-Barnes TEM NYS 198.4 NOB (3)

Valencia Poorajah TEM NYS 198.4 NOB (2)

Samples reviewed and approved by:



Charles Johnson, Asbestos Laboratory Manager
or Other Approved Signatory

EMSL maintains liability limited to cost of analysis. Interpretation and use of test results are the responsibility of the client. This report relates only to the samples reported above, and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. The report reflects the samples as received. Results are generated from the field sampling data (sampling volumes and areas, locations, etc.) provided by the client on the Chain of Custody. Samples are within quality control criteria and met method specifications unless otherwise noted. Estimation of uncertainty available upon request. This report is a summary of multiple methods of analysis, fully compliant reports are available upon request. All samples examined for the presence of vermiculite when analyzed via NYS 198.1. A combination of PLM and TEM analysis may be necessary to ensure consistently reliable detection of asbestos. Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. This report must not be used to claim product endorsement by NVLAP of any agency or the U.S. Government . Quantitative transmission electron microscopy is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing. NOB= Non friable organically bound; N/A= Not applicable VCM= Vermiculite containing material.

Samples analyzed by EMSL Analytical, Inc. Long Island City, NY NYS ELAP 11506, NVLAP Lab Code 101048-9

Initial report from: 01/14/2024 14:54:27

032400331

MATRIXNEWORLD
Engineering Progress

Matrix New World Engineering, Land Surveying,
and Landscape Architecture, PC
20 West 37th Street, 12th Floor
New York, New York 10018

BULK SAMPLE DATA AND CHAIN OF CUSTODY FORM

PROJECT INFORMATION

Client:	Beyer Blinder Belle Architects & Planners
Project Name:	NYSOPRHP John Jay Homestead Site
Address:	400 Jay Street
City & State:	Katonah New York
Date:	1/4/2023
Email Results to:	Hazmat.Labs@matrixneworld.com

Matrix Project No.: 23-0088

Requested Analysis

- [x] NYS ELAP 198.1
- [x] NYS ELAP 198.4
- [x] NYS ELAP 198.6
- [ ] NYS ELAP 198.8
- [ ] EPA/600/R-93
- [ ] PLM EPA NOB-EPA/600/R-93
- [ ] TEM EPA NOB - EPA 600/R-93
- [ ] Other (specify)

Project Manager: Tyler MacGillivray
Investigator(s): Gavin Gilmore Tyler MacGillivray

Turn Around Time

- [ ] STAT
- [ ] 24 Hour
- [ ] 48 Hour
- [ ] 72 Hour
- [ ] 5 Day
- [x] 1 Week
- [ ] Other (specify)

BULK SAMPLE INFORMATION

HA No.	Floor	Bulk Sample ID No.	Homogeneous Material	Material Type	Sample Location	Quantity (FT/FT²/Each)	Asbestos Content	Analysis		
								PLM	PLM-NOB	TEM
BH-07	Basement	BH-07-01	Skim Coat to Rubber Wall	SURF.	Bedford Room B18			X		
		BH-07-02			Bedford Room B17			X		
		BH-07-03			Bedford Room B16			X		
BH-08		BH-08-01	Rubber Wall Mortar	MISC.	Bedford Room B17			X		
		BH-08-02			Bedford Room B16			X		
BH-09	1st Floor	BH-09G-01	Ceramic Chimney Tile Grout		Bedford Room B102			X		
		BH-09G-02						X		
		BH-09M-01	Ceramic Chimney Tile Mortar					X		
		BH-09M-02						X		
BH-10		BH-10-01	(green) Fern Patterned Wall Paper		Bedford Room B102				X	X
		BH-10-02							X	X
BH-11		BH-11G-01	Ceramic Chimney Tile Grout		Bedford Room B104			X		
		BH-11G-02						X		
		BH-11M-01	Ceramic Chimney Tile Mortar					X		
		BH-11M-02						X		

OF CUSTODY

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[signature]	(Signature)	
Joe Donville	(Print)	01/09/24 0930
	(Signature)	
	(Print)	

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I. [signature]	(Signature)	1/9/24 10:14 AM
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II. [signature]	(Signature)	1/9/24 12:22 PM
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nal Notes:
at first positive for each homogeneous material as specified.
:o by Layer. If PLM-NOB is inconclusive, re-analyze by TEM.
ct Project Manager Before Performing Method 198.8 unless otherwise specified.

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Matrix New World Engineering, Land Surveying,
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New York, New York 10018

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Project Name:	NYSOPRHP John Jay Homestead Site
Address:	400 Jay Street
City & State:	Katonah New York
Date:	1/4/2023
Email Results to:	Hazmat.Labs@matrixneworld.com

Matrix Project No.: 23-0088

Requested Analysis

- [x] NYS ELAP 198.1
- [x] NYS ELAP 198.4
- [x] NYS ELAP 198.6
- [ ] NYS ELAP 198.8
- [ ] EPA/600/R-93
- [ ] PLM EPA NOB-EPA/600/R-93
- [ ] TEM EPA NOB - EPA 600/R-93
- [ ] Other (specify)

Project Manager: Tyler MacGillivray
Investigator(s): Gavin Gilmore Tyler MacGillivray

Turn Around Time

- [ ] STAT
- [ ] 24 Hour
- [ ] 48 Hour
- [ ] 72 Hour
- [ ] 5 Day
- [x] 1 Week
- [ ] Other (specify)

BULK SAMPLE INFORMATION

HA No.	Floor	Bulk Sample ID No.	Homogeneous Material	Material Type	Sample Location	Quantity (FT/FT²/Each)	Asbestos Content	Analysis		
								PLM	PLM-NOB	TEM
BH-12	1st Floor	BH-12-01	(brown) Grape Leaf Patterned Wall Paper	MISC.	Bedford Room B104				X	X
		BH-12-02							X	X
BH-13		BH-13-01	(black & gold) Leaf Patterned Wall Paper		Bedford Room B105				X	X
		BH-13-02			Bedford Room B105A				X	X
BH-14		BH-14-01	(tan) Leaf Patterned Wall Paper		Bedford Room B106				X	X
		BH-14-02							X	X
BH-15		BH-15-01	(blue) Flower Pot Wall Paper		Bedford Room B204				X	X
		BH-15-02							X	X
BH-16		BH-16-01-L1	Corrugated Pipe Insulation	TSI.	Bedford Room B17			X		
		BH-16-02-L1						X		
		BH-16-03-L1						X		
		BH-16-01-L2	Associated Jacket					X		
		BH-16-02-L2						X		
		BH-16-03-L2						X		
BH-17		BH-17-01	Chimney Liner	SURF.	Bedford Room B16			X		

OF CUSTODY

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Joe Ronville	(Print)	01/09/24 0930
	(Signature)	
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Received By:		Date / Time:
I.	(Signature)	
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II.	(Signature)	1/9/24 12:22 PM
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nal Notes:
at first positive for each homogeneous material as specified.
:e by Layer. If PLM-NOB is inconclusive, re-analyze by TEM.
ct Project Manager Before Performing Method 198.8 unless otherwise specified.

032400331

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Engineering Progress

Matrix New World Engineering, Land Surveying,
and Landscape Architecture, PC
20 West 37th Street, 12th Floor
New York, New York 10018

BULK SAMPLE DATA AND CHAIN OF CUSTODY FORM

PROJECT INFORMATION

Client:	Beyer Blinder Belle Architects & Planners	Matrix Project No. 23-0088	Project Manager: Tyler MacGillivray
Project Name:	NYSOPRHP John Jay Homestead Site		Investigator(s) Gavin Gilmore Tyler MacGillivray
Address:	400 Jay Street	Requested Analysis	
City & State:	Katonah New York	☑ NYS ELAP 198.1 ☐ EPA/600/R-93	
		☑ NYS ELAP 198.4 ☐ PLM EPA NOB-EPA/600/R-93	Turn Around Time
Date:	1/4/2023	☑ NYS ELAP 198.6 ☐ TEM EPA NOB - EPA 600/R-93	☐ STAT ☐ 48 Hour ☐ 5 Day ☐ Other (specify)
Email Results to:	Hazmat.Labs@matrixneworld.com	☐ NYS ELAP 198.8 ☐ Other (specify)	☐ 24 Hour ☐ 72 Hour ☑ 1 Week

BULK SAMPLE INFORMATION

HA No.	Floor	Bulk Sample ID No.	Homogeneous Material	Material Type	Sample Location	Quantity (FT/FT²/Each)	Asbestos Content	Analysis PLM	Analysis PLM-NOB	Analysis TEM
BH-17	1st Floor	BH-17-02	Chimney Liner	SURF.	Bedford Room B16			X		
		BH-17-03						X		
BH-18		BH-18-01	Carpet Glue	MISC.	Bedford Room B128				X	X
		BH-18-02							X	X
BH-19		BH-19-01	12"x12" Tan Vinyl Floor Tile & Mastic		Bedford Room B115	Analyze By Layer			X	X
		BH-19-02							X	X
BH-20	Roof	BH-20-01-L1	Main Roof Composite (mesh)		Bedford House Main Roof				X	X
		BH-20-01-L1							X	X
		BH-20-01-L2	Main Roof Composite (membrane)						X	X
		BH-20-01-L2							X	X
CH-02	Basement	CH-01-01	All Service Jacket to Fiberglass Pipe Insulation	TSI.	Coach House Basement			X		
		CH-01-02						X		
		CH-01-03						X		
18	1st Floor	18-01	Dishware Print Wall Paper	MISC.	Brick Cottage - Room #5				X	X
		18-02							X	X

OF CUSTODY

ıished By:		Date / Time:
JD	(Signature)	
Joe Parille	(Print)	01/09/24 0930
	(Signature)	
	(Print)	

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I.	(Signature)	
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nal Notes:
at first positive for each homogeneous material as specified.
:e by Layer. If PLM-NOB is inconclusive, re-analyze by TEM.
ct Project Manager Before Performing Method 198.8 unless otherwise specified.

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032400331

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Engineering Progress

Matrix New World Engineering, Land Surveying,
and Landscape Architecture, PC
20 West 37th Street, 12th Floor
New York, New York 10018

BULK SAMPLE DATA AND CHAIN OF CUSTODY FORM

PROJECT INFORMATION

Client:	Beyer Blinder Belle Architects & Planners
Project Name:	NYSOPRHP John Jay Homestead Site
Address:	400 Jay Street
City & State:	Katonah New York
Date:	1/4/2023
Email Results to:	Hazmat.Labs@matrixneworld.com

Matrix Project No.: 23-0088

Requested Analysis

- ☑ NYS ELAP 198.1 ☐ EPA/600/R-93
- ☑ NYS ELAP 198.4 ☐ PLM EPA NOB-EPA/600/R-93
- ☑ NYS ELAP 198.6 ☐ TEM EPA NOB - EPA 600/R-93
- ☐ NYS ELAP 198.8 ☐ Other (specify)

Project Manager: Tyler MacGillivray
Investigator(s): Gavin Gilmore Tyler MacGillivray

Turn Around Time

- ☐ STAT ☐ 48 Hour ☐ 5 Day ☐ Other (specify)
- ☐ 24 Hour ☐ 72 Hour ☑ 1 Week

BULK SAMPLE INFORMATION

HA No.	Floor	Bulk Sample ID No.	Homogeneous Material	Material Type	Sample Location	Quantity (FT/FT²/Each)	Asbestos Content	Analysis		
								PLM	PLM-NOB	TEM
19	2nd Floor	19-01	(green) & (white) Stripped Wall Paper	MISC.	Brick Cottage - Second Floor Main Stair Landing				X	X
		19-02							X	X
20		20-01	(white) Wall Paper		Brick Cottage Room #11				X	X
		20-02			Brick Cottage Room #09				X	X
21		21-01	Flower Print Wall Paper		Brick Cottage - Room #13				X	X
		21-02							X	X
22		22-01	Pink Flower Wall Paper		Brick Cottage - Room #12				X	X
		22-02							X	X
23		23-01	(white) & (yellow) Stripe Wall Paper		Brick Cottage - Room #12				X	X
		23-02							X	X
24		24-01	Strawberry Wall Paper		Brick Cottage - Room #09				X	X
		24-02							X	X
25	Basement	25-01	(blue) Leaf Patterned Wall Paper		Brick Cottage - Intermediate Space Bedroom				X	X
		25-02							X	X
26		26-01	(gray) Linoleum		Brick Cottage - Intermediate Space Bathroom				X	X

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Joe Daville	(Print)	01/09/24 0930
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Received By:		Date / Time:
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nal Notes:
at first positive for each homogeneous material as specified.
:e by Layer. If PLM-NOB is inconclusive, re-analyze by TEM.
ct Project Manager Before Performing Method 198.8 unless otherwise specified.

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New York, New York 10018

BULK SAMPLE DATA AND CHAIN OF CUSTODY FORM

PROJECT INFORMATION

Client:	Beyer Blinder Belle Architects & Planners
Project Name:	NYSOPRHP John Jay Homestead Site
Address:	400 Jay Street
City & State:	Katonah New York
Date:	1/4/2023
Email Results to:	Hazmat.Labs@matrixneworld.com

Matrix Project No.: 23-0088

Requested Analysis

- ☑ NYS ELAP 198.1 ☐ EPA/600/R-93
- ☑ NYS ELAP 198.4 ☐ PLM EPA NOB-EPA/600/R-93
- ☑ NYS ELAP 198.6 ☐ TEM EPA NOB - EPA 600/R-93
- ☐ NYS ELAP 198.8 ☐ Other (specify)

Project Manager: Tyler MacGillivray
Investigator(s): Gavin Gilmore Tyler MacGillivray

Turn Around Time

- ☐ STAT ☐ 48 Hour ☐ 5 Day ☐ Other (specify)
- ☐ 24 Hour ☐ 72 Hour ☑ 1 Week

BULK SAMPLE INFORMATION

HA No.	Floor	Bulk Sample ID No.	Homogeneous Material	Material Type	Sample Location	Quantity (FT/FT²/Each)	Asbestos Content	Analysis		
								PLM	PLM-NOB	TEM
26	Basement	26-02	(gray) Linoleum	MISC.	Brick Cottage - Intermediate Space Bathroom				X	X
27		27-01	Rope Gasket to Boiler	TSI.	Brick Cottage - Boiler Room			X		
		27-02						X		
		27-03						X		
28		28-01	Boiler Inner Box	TSI.	Brick Cottage - Boiler Room			X		
		28-02						X		
		28-03						X		
29		29-01	Braided Wire Insulation	MISC.	Brick Cottage - First Floor				X	X
		29-02			Brick Cottage - Second Floor				X	X

OF CUSTODY

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Joe Dorville (Print)	01/09/24 0930
(Signature)	
(Print)	

Received By:	Date / Time:
I. (Signature)	
(Print)	
II. (Signature)	1/9/24 12:22
(Print)	

nal Notes:
at first positive for each homogeneous material as specified.
:e by Layer. If PLM-NOB is inconclusive, re-analyze by TEM.
ct Project Manager Before Performing Method 198.8 unless otherwise specified.

5

EMSL Analytical, Inc.

200 Route 130, Cinnaminson, NJ, 08077
Telephone: 856-858-4800 Fax:856-786-5974
EMSL-CIN-01

EMSL Order ID: 012362795
LIMS Reference ID: AB62795
EMSL Customer ID: MATX53

Attention: Hazmat Labs
Matrix New World Engineering [MATX53]
26 Columbia Turnpike
Florham Park, NJ 07932
(973) 240-1800
hazmat.labs@matrixneworld.com

Project Name: 23-0088 - John Jay Homstead
Customer PO:
EMSL Sales Rep: Anthony DeRosa
Received: 09/29/2023 09:00
Reported: 10/16/2023 14:39

Samples in this Report

Lab ID	Sample	Matrix	Date Sampled	Date Received
AB62795-01	PCB-HA-BH-05	Solid	09/28/2023	09/29/2023

EMSL Analytical, Inc.

200 Route 130, Cinnaminson, NJ, 08077
Telephone: 856-858-4800 Fax:856-786-5974
EMSL-CIN-01

EMSL Order ID: 012362795
LIMS Reference ID: AB62795
EMSL Customer ID: MATX53

Attention: Hazmat Labs
Matrix New World Engineering [MATX53]
26 Columbia Turnpike
Florham Park, NJ 07932
(973) 240-1800
hazmat.labs@matrixneworld.com

Project Name: 23-0088 - John Jay Homstead

Customer PO:
EMSL Sales Rep: Anthony DeRosa
Received: 09/29/2023 09:00
Reported: 10/16/2023 14:39

EMSL Analytical, Inc.

200 Route 130, Cinnaminson, NJ, 08077
Telephone: 856-858-4800 Fax:856-786-5974
EMSL-CIN-01

EMSL Order ID: 012362795
LIMS Reference ID: AB62795
EMSL Customer ID: MATX53

Attention: Hazmat Labs
Matrix New World Engineering [MATX53]
26 Columbia Turnpike
Florham Park, NJ 07932
(973) 240-1800
hazmat.labs@matrixneworld.com

Project Name: 23-0088 - John Jay Homstead
Customer PO:
EMSL Sales Rep: Anthony DeRosa
Received: 09/29/2023 09:00
Reported: 10/16/2023 14:39

Sample Results

Sample: PCB-HA-BH-05/Window Glazing
AB62795-01 (Solid)

Analyte	Result	Q	DF	RL	Units	Prepared Date/Time	Analyzed Date/Time	Prep/Analyst Initials	Prep Method	Analytical Method
GC-SVOA										
Aroclor-1016	ND		1	0.24	mg/kg	10/11/23 17:28	10/13/23 15:45	MxB/TL1	SW846 3540C	SW846-8082A
Aroclor-1221	ND		1	0.24	mg/kg	10/11/23 17:28	10/13/23 15:45	MxB/TL1	SW846 3540C	SW846-8082A
Aroclor-1232	ND		1	0.24	mg/kg	10/11/23 17:28	10/13/23 15:45	MxB/TL1	SW846 3540C	SW846-8082A
Aroclor-1242	ND		1	0.24	mg/kg	10/11/23 17:28	10/13/23 15:45	MxB/TL1	SW846 3540C	SW846-8082A
Aroclor-1248	ND		1	0.24	mg/kg	10/11/23 17:28	10/13/23 15:45	MxB/TL1	SW846 3540C	SW846-8082A
Aroclor-1254	ND		1	0.24	mg/kg	10/11/23 17:28	10/13/23 15:45	MxB/TL1	SW846 3540C	SW846-8082A
Aroclor-1260	ND		1	0.24	mg/kg	10/11/23 17:28	10/13/23 15:45	MxB/TL1	SW846 3540C	SW846-8082A
Aroclor-1262	ND		1	0.24	mg/kg	10/11/23 17:28	10/13/23 15:45	MxB/TL1	SW846 3540C	SW846-8082A
Aroclor-1268	ND		1	0.24	mg/kg	10/11/23 17:28	10/13/23 15:45	MxB/TL1	SW846 3540C	SW846-8082A
Surrogate(s)	**Recovery**	**Q**		**Limits**						
Surrogate: Tetrachloro-m-xylene	*46%*			*21-123*		10/11/23 17:28	10/13/23 15:45	MxB/TL1	SW846 3540C	*SW846-8082A*
Surrogate: Decachlorobiphenyl	*52%*			*17-128*		10/11/23 17:28	10/13/23 15:45	MxB/TL1	SW846 3540C	*SW846-8082A*

EMSL ANALYTICAL, INC.
LABORATORY • PRODUCTS • TRAINING

EMSL ANALYTICAL, INC.
200 ROUTE 130 NORTH
CINNAMINSON, NJ 08077
PHONE: (800) 220-3675
FAX: (856) 786-5974

Environmental Chemistry Chain of Custody

EMSL Order Number (*Lab Use Only*): 162795

Report To Contact Name:			**Bill To Company:** Same		
Company Name: Matrix New World			**Attention To:** Hazmat		
Street: 26 Columbia Turnpike			**Street:**		
City: Florham Park	**State/Province:** NJ	**Zip/Postal Code:** 07932	**City:**	**State/Province:**	**Zip/Postal Code:**
Phone : 973-240-1800	**Fax :**		**Phone:**	**Fax:**	
Project Name: 23-0088 - John Jay Homstead			**U.S. State where Samples Collected:** NY		
Number of Samples in Shipment: 1	**Date of Shipment:** 9/28/23		**Purchase Order:**	**Sampled By (Signature):**	
Please Provide results: ☐ Fax ☒ Email ☐ Mail			**Email Results To:** Hazmat.labs@matrixneworld.com		
Standard Turnaround Time: ☒ 2 Weeks			**The following TAT's are subject to lab approval:** ☐ 1 Week ☐ 4 Days ☐ 3 Days ☐ 2 Days ☐ 1 Day		

Failure to complete will hinder processing of samples				Matrix	Preservative	List Test(s) Needed								
Client Sample ID	Comp	Grab	Date/Time	W=Water S=Soil A=Air SL=Sludge O= Other	1=HCL 2=HNO3 3=H2SO4 4=ICE 5=Other	PCB								Comments
(1) PCB-HA-BH-05	X		9/28/23	Glazing	None	X								window glazing

Released By (Signature)	Date & Time	Received By	Date & Time
	9/28/23	DB	9/29/23 805

Please indicate reporting requirements: ☒ Results Only ☐ Results and QC ☐ Reduced Deliverables ☐ Disk Deliverable ☐ Other _____

Instructions or Comments: Please put samples on ice prior to transporting them to Cinnaminson.

(1)

18.2°C
Rec. in glass jar

EMSL Analytical, Inc.

200 Route 130, Cinnaminson, NJ, 08077
Telephone: 856-858-4800 Fax:856-786-5974
EMSL-CIN-01

EMSL Order ID: 012362799
LIMS Reference ID: AB62799
EMSL Customer ID: MATX53

Attention: Hazmat Labs
Matrix New World Engineering [MATX53]
26 Columbia Turnpike
Florham Park, NJ 07932
(973) 240-1800
hazmat.labs@matrixneworld.com

Project Name: 23-0088 - John Jay Homstead - Brick Cottage
Customer PO:
EMSL Sales Rep: Anthony DeRosa
Received: 09/29/2023 09:00
Reported: 10/16/2023 14:44

Samples in this Report

Lab ID	Sample	Matrix	Date Sampled	Date Received
AB62799-01	PCB-HA-03	Solid	09/28/2023	09/29/2023

EMSL Analytical, Inc.

200 Route 130, Cinnaminson, NJ, 08077
Telephone: 856-858-4800 Fax:856-786-5974
EMSL-CIN-01

EMSL Order ID: 012362799
LIMS Reference ID: AB62799
EMSL Customer ID: MATX53

Attention: Hazmat Labs
Matrix New World Engineering [MATX53]
26 Columbia Turnpike
Florham Park, NJ 07932
(973) 240-1800
hazmat.labs@matrixneworld.com

Project Name: 23-0088 - John Jay Homstead - Brick Cottage

Customer PO:
EMSL Sales Rep: Anthony DeRosa
Received: 09/29/2023 09:00
Reported: 10/16/2023 14:44

EMSL Analytical, Inc.

200 Route 130, Cinnaminson, NJ, 08077
Telephone: 856-858-4800 Fax:856-786-5974
EMSL-CIN-01

EMSL Order ID: 012362799
LIMS Reference ID: AB62799
EMSL Customer ID: MATX53

Attention: Hazmat Labs
Matrix New World Engineering [MATX53]
26 Columbia Turnpike
Florham Park, NJ 07932
(973) 240-1800
hazmat.labs@matrixneworld.com

Project Name: 23-0088 - John Jay Homstead - Brick Cottage
Customer PO:
EMSL Sales Rep: Anthony DeRosa
Received: 09/29/2023 09:00
Reported: 10/16/2023 14:44

Sample Results

Sample: PCB-HA-03/Window Glazing
AB62799-01 (Solid)

Analyte	Result	Q	DF	RL	Units	Prepared Date/Time	Analyzed Date/Time	Prep/Analyst Initials	Prep Method	Analytical Method
GC-SVOA										
Aroclor-1016	ND		1	0.24	mg/kg	10/11/23 17:28	10/13/23 16:47	MxB/TL1	SW846 3540C	SW846-8082A
Aroclor-1221	ND		1	0.24	mg/kg	10/11/23 17:28	10/13/23 16:47	MxB/TL1	SW846 3540C	SW846-8082A
Aroclor-1232	ND		1	0.24	mg/kg	10/11/23 17:28	10/13/23 16:47	MxB/TL1	SW846 3540C	SW846-8082A
Aroclor-1242	ND		1	0.24	mg/kg	10/11/23 17:28	10/13/23 16:47	MxB/TL1	SW846 3540C	SW846-8082A
Aroclor-1248	ND		1	0.24	mg/kg	10/11/23 17:28	10/13/23 16:47	MxB/TL1	SW846 3540C	SW846-8082A
Aroclor-1254	ND		1	0.24	mg/kg	10/11/23 17:28	10/13/23 16:47	MxB/TL1	SW846 3540C	SW846-8082A
Aroclor-1260	ND		1	0.24	mg/kg	10/11/23 17:28	10/13/23 16:47	MxB/TL1	SW846 3540C	SW846-8082A
Aroclor-1262	ND		1	0.24	mg/kg	10/11/23 17:28	10/13/23 16:47	MxB/TL1	SW846 3540C	SW846-8082A
Aroclor-1268	ND		1	0.24	mg/kg	10/11/23 17:28	10/13/23 16:47	MxB/TL1	SW846 3540C	SW846-8082A
Surrogate(s)	**Recovery**	**Q**		**Limits**						
Surrogate: Tetrachloro-m-xylene	*44%*			*21-123*		10/11/23 17:28	10/13/23 16:47	MxB/TL1	SW846 3540C	*SW846-8082A*
Surrogate: Decachlorobiphenyl	*48%*			*17-128*		10/11/23 17:28	10/13/23 16:47	MxB/TL1	SW846 3540C	*SW846-8082A*

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EMSL ANALYTICAL, INC.
200 ROUTE 130 NORTH
CINNAMINSON, NJ 08077
PHONE: (800) 220-3675
FAX: (856) 786-5974

Environmental Chemistry Chain of Custody

EMSL Order Number (*Lab Use Only*): AJ62799

Report To Contact Name:			**Bill To Company:** Same		
Company Name: Matrix New World			**Attention To:** Hazmat		
Street: 26 Columbia Turnpike			**Street:**		
City: Florham Park	**State/Province:** NJ	**Zip/Postal Code:** 07932	**City:**	**State/Province:**	**Zip/Postal Code:**
Phone : 973-240-1800	**Fax :**		**Phone:**	**Fax:**	
Project Name: 23-0088 - John Jay Homstead – Brick Cottage			**U.S. State where Samples Collected:** NY		
Number of Samples in Shipment: 1	**Date of Shipment:** 9/28/23		**Purchase Order:**	**Sampled By (Signature):**	
Please Provide results: ☐ Fax ☐ Email ☐ Mail			**Email Results To:** Hazmat.labs@matrixneworld.com		
Standard Turnaround Time: ☒ 2 Weeks			**The following TAT's are subject to lab approval:** ☐ 1 Week ☐ 4 Days ☐ 3 Days ☐ 2 Days ☐ 1 Day		

Failure to complete will hinder processing of samples				Matrix	Preservative	List Test(s) Needed								
Client Sample ID	Comp	Grab	Date/Time	W=Water S=Soil A=Air SL=Sludge O= Other	1=HCL 2=HNO3 3=H2SO4 4=ICE 5=Other	PCB								Comments
(1) PCB-HJA-03	X		9/28/23	Glazing	NONE	X								Window Glazing

Released By (Signature)	Date & Time	Received By	Date & Time
	9/28/23	Shirley Ehlgen DB	9/28/23 805 p 9/29/23 7m

Please indicate reporting requirements: ☒ Results Only ☐ Results and QC ☐ Reduced Deliverables ☐ Disk Deliverable ☐ Other _____

Instructions or Comments: Please put samples on ice prior to transporting them to Cinnaminson.

(1) 18.2°C
Rec. in plastic EL

EMSL Analytical, Inc.

200 Route 130, Cinnaminson, NJ, 08077
Telephone: 856-858-4800 Fax:856-786-5974
EMSL-CIN-01

EMSL Order ID: 012362798
LIMS Reference ID: AB62798
EMSL Customer ID: MATX53

Attention: Hazmat Labs
Matrix New World Engineering [MATX53]
26 Columbia Turnpike
Florham Park, NJ 07932
(973) 240-1800
hazmat.labs@matrixneworld.com

Project Name: 23-0088 - John Jay Homstead - Coahmansl House
Customer PO:
EMSL Sales Rep: Anthony DeRosa
Received: 09/29/2023 09:00
Reported: 10/16/2023 14:43

Samples in this Report

Lab ID	Sample	Matrix	Date Sampled	Date Received
AB62798-01	PCB-CH-01	Solid	09/28/2023	09/29/2023

EMSL Analytical, Inc.

200 Route 130, Cinnaminson, NJ, 08077
Telephone: 856-858-4800 Fax:856-786-5974
EMSL-CIN-01

EMSL Order ID: 012362798
LIMS Reference ID: AB62798
EMSL Customer ID: MATX53

Attention: Hazmat Labs
Matrix New World Engineering [MATX53]
26 Columbia Turnpike
Florham Park, NJ 07932
(973) 240-1800
hazmat.labs@matrixneworld.com

Project Name: 23-0088 - John Jay Homstead - Coahmansl House
Customer PO:
EMSL Sales Rep: Anthony DeRosa
Received: 09/29/2023 09:00
Reported: 10/16/2023 14:43

EMSL Analytical, Inc.

200 Route 130, Cinnaminson, NJ, 08077
Telephone: 856-858-4800 Fax:856-786-5974
EMSL-CIN-01

EMSL Order ID: 012362798
LIMS Reference ID: AB62798
EMSL Customer ID: MATX53

Attention: Hazmat Labs
Matrix New World Engineering [MATX53]
26 Columbia Turnpike
Florham Park, NJ 07932
(973) 240-1800
hazmat.labs@matrixneworld.com

Project Name: 23-0088 - John Jay Homstead - Coahmansl House
Customer PO:
EMSL Sales Rep: Anthony DeRosa
Received: 09/29/2023 09:00
Reported: 10/16/2023 14:43

Sample Results

Sample: PCB-CH-01/Window Glazing
AB62798-01 (Solid)

Analyte	Result	Q	DF	RL	Units	Prepared Date/Time	Analyzed Date/Time	Prep/Analyst Initials	Prep Method	Analytical Method
GC-SVOA										
Aroclor-1016	ND		1	0.24	mg/kg	10/11/23 17:28	10/13/23 16:26	MxB/TL1	SW846 3540C	SW846-8082A
Aroclor-1221	ND		1	0.24	mg/kg	10/11/23 17:28	10/13/23 16:26	MxB/TL1	SW846 3540C	SW846-8082A
Aroclor-1232	ND		1	0.24	mg/kg	10/11/23 17:28	10/13/23 16:26	MxB/TL1	SW846 3540C	SW846-8082A
Aroclor-1242	ND		1	0.24	mg/kg	10/11/23 17:28	10/13/23 16:26	MxB/TL1	SW846 3540C	SW846-8082A
Aroclor-1248	ND		1	0.24	mg/kg	10/11/23 17:28	10/13/23 16:26	MxB/TL1	SW846 3540C	SW846-8082A
Aroclor-1254	ND		1	0.24	mg/kg	10/11/23 17:28	10/13/23 16:26	MxB/TL1	SW846 3540C	SW846-8082A
Aroclor-1260	ND		1	0.24	mg/kg	10/11/23 17:28	10/13/23 16:26	MxB/TL1	SW846 3540C	SW846-8082A
Aroclor-1262	ND		1	0.24	mg/kg	10/11/23 17:28	10/13/23 16:26	MxB/TL1	SW846 3540C	SW846-8082A
Aroclor-1268	ND		1	0.24	mg/kg	10/11/23 17:28	10/13/23 16:26	MxB/TL1	SW846 3540C	SW846-8082A
Surrogate(s)	**Recovery**	**Q**		**Limits**						
Surrogate: Tetrachloro-m-xylene	*48%*			*21-123*		10/11/23 17:28	10/13/23 16:26	MxB/TL1	SW846 3540C	*SW846-8082A*
Surrogate: Decachlorobiphenyl	*53%*			*17-128*		10/11/23 17:28	10/13/23 16:26	MxB/TL1	SW846 3540C	*SW846-8082A*

EMSL ANALYTICAL, INC.
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Environmental Chemistry
Chain of Custody

EMSL Order Number (*Lab Use Only*): AD 62798

EMSL ANALYTICAL, INC.
200 ROUTE 130 NORTH
CINNAMINSON, NJ 08077
PHONE: (800) 220-3675
FAX: (856) 786-5974

Report To Contact Name:	Bill To Company: Same
Company Name: Matrix New World	Attention To: Hazmat
Street: 26 Columbia Turnpike	Street:
City: Florham Park · State/Province: NJ · Zip/Postal Code: 07932	City: · State/Province: · Zip/Postal Code:
Phone: 973-240-1800 · Fax:	Phone: · Fax:
Project Name: 23-0088 - John Jay Homstead ~ Coachmans House	U.S. State where Samples Collected: NY
Number of Samples in Shipment: 1 · Date of Shipment: 9/28/23 · Purchase Order:	Sampled By (Signature): [signature]
Please Provide results: ☐ Fax ☒ Email ☐ Mail	Email Results To: Hazmat.labs@matrixneworld.com
Standard Turnaround Time: ☒ 2 Weeks	The following TAT's are subject to lab approval: ☐ 1 Week ☐ 4 Days ☐ 3 Days ☐ 2 Days ☐ 1 Day

Failure to complete will hinder processing of samples

	Client Sample ID	Comp	Grab	Date/Time	Matrix: W=Water S=Soil A=Air SL=Sludge O= Other	Preservative: 1=HCL 2=HNO3 3=H2SO4 4=ICE 5=Other	List Test(s) Needed: PCB								Comments
1	~~PCB 4H~~ PCB-CH#01	X		9/28/23	Glazing	None	X								window glazing

Released By (Signature)	Date & Time	Received By	Date & Time
[signature]	9/28/23	[signature] DB	9/28/23 805p
		[signature]	9/29/23 9am

Please indicate reporting requirements: ☒ Results Only ☐ Results and QC ☐ Reduced Deliverables ☐ Disk Deliverable ☐ Other ______

Instructions or Comments: Please put samples on ice prior to transporting them to Cinnaminson.

Page 1 of ____ pages

(1 [illegible])

18.2°C
Rec. in plastic EL

EMSL Analytical, Inc.

200 Route 130, Cinnaminson, NJ, 08077
Telephone: 856-858-4800 Fax:856-786-5974
EMSL-CIN-01

EMSL Order ID: 012362797
LIMS Reference ID: AB62797
EMSL Customer ID: MATX53

Attention: Hazmat Labs
Matrix New World Engineering [MATX53]
26 Columbia Turnpike
Florham Park, NJ 07932
(973) 240-1800
hazmat.labs@matrixneworld.com

Project Name: 23-0088 - John Jay Homstead - School House
Customer PO:
EMSL Sales Rep: Anthony DeRosa
Received: 09/29/2023 09:00
Reported: 10/16/2023 14:42

Samples in this Report

Lab ID	Sample	Matrix	Date Sampled	Date Received
AB62797-01	PCB-HA-SH-05	Solid	09/28/2023	09/29/2023

EMSL Analytical, Inc.

200 Route 130, Cinnaminson, NJ, 08077
Telephone: 856-858-4800 Fax:856-786-5974
EMSL-CIN-01

EMSL Order ID: 012362797
LIMS Reference ID: AB62797
EMSL Customer ID: MATX53

Attention: Hazmat Labs
Matrix New World Engineering [MATX53]
26 Columbia Turnpike
Florham Park, NJ 07932
(973) 240-1800
hazmat.labs@matrixneworld.com

Project Name: 23-0088 - John Jay Homstead - School House
Customer PO:
EMSL Sales Rep: Anthony DeRosa
Received: 09/29/2023 09:00
Reported: 10/16/2023 14:42

EMSL Analytical, Inc.

200 Route 130, Cinnaminson, NJ, 08077
Telephone: 856-858-4800 Fax:856-786-5974
EMSL-CIN-01

EMSL Order ID: 012362797
LIMS Reference ID: AB62797
EMSL Customer ID: MATX53

Attention: Hazmat Labs
Matrix New World Engineering [MATX53]
26 Columbia Turnpike
Florham Park, NJ 07932
(973) 240-1800
hazmat.labs@matrixneworld.com

Project Name: 23-0088 - John Jay Homstead - School House
Customer PO:
EMSL Sales Rep: Anthony DeRosa
Received: 09/29/2023 09:00
Reported: 10/16/2023 14:42

Sample Results

Sample: PCB-HA-SH-05/Window Glazing
AB62797-01 (Solid)

Analyte	Result	Q	DF	RL	Units	Prepared Date/Time	Analyzed Date/Time	Prep/Analyst Initials	Prep Method	Analytical Method
GC-SVOA										
Aroclor-1016	ND		1	0.25	mg/kg	10/11/23 17:28	10/13/23 16:06	MxB/TL1	SW846 3540C	SW846-8082A
Aroclor-1221	ND		1	0.25	mg/kg	10/11/23 17:28	10/13/23 16:06	MxB/TL1	SW846 3540C	SW846-8082A
Aroclor-1232	ND		1	0.25	mg/kg	10/11/23 17:28	10/13/23 16:06	MxB/TL1	SW846 3540C	SW846-8082A
Aroclor-1242	ND		1	0.25	mg/kg	10/11/23 17:28	10/13/23 16:06	MxB/TL1	SW846 3540C	SW846-8082A
Aroclor-1248	ND		1	0.25	mg/kg	10/11/23 17:28	10/13/23 16:06	MxB/TL1	SW846 3540C	SW846-8082A
Aroclor-1254	ND		1	0.25	mg/kg	10/11/23 17:28	10/13/23 16:06	MxB/TL1	SW846 3540C	SW846-8082A
Aroclor-1260	ND		1	0.25	mg/kg	10/11/23 17:28	10/13/23 16:06	MxB/TL1	SW846 3540C	SW846-8082A
Aroclor-1262	ND		1	0.25	mg/kg	10/11/23 17:28	10/13/23 16:06	MxB/TL1	SW846 3540C	SW846-8082A
Aroclor-1268	ND		1	0.25	mg/kg	10/11/23 17:28	10/13/23 16:06	MxB/TL1	SW846 3540C	SW846-8082A
Surrogate(s)	**Recovery**	**Q**		**Limits**						
Surrogate: Tetrachloro-m-xylene	*48%*			*21-123*		10/11/23 17:28	10/13/23 16:06	MxB/TL1	SW846 3540C	*SW846-8082A*
Surrogate: Decachlorobiphenyl	*51%*			*17-128*		10/11/23 17:28	10/13/23 16:06	MxB/TL1	SW846 3540C	*SW846-8082A*

EMSL ANALYTICAL, INC.
LABORATORY • PRODUCTS • TRAINING

Environmental Chemistry Chain of Custody

EMSL Order Number (*Lab Use Only*): MC 2797

EMSL ANALYTICAL, INC.
200 ROUTE 130 NORTH
CINNAMINSON, NJ 08077
PHONE: (800) 220-3675
FAX: (856) 786-5974

Report To Contact Name:			**Bill To Company:** Same		
Company Name: Matrix New World			**Attention To:** Hazmat		
Street: 26 Columbia Turnpike			**Street:**		
City: Florham Park	**State/Province:** NJ	**Zip/Postal Code:** 07932	**City:**	**State/Province:**	**Zip/Postal Code:**
Phone : 973-240-1800	**Fax :**		**Phone:**	**Fax:**	
Project Name: 23-0088 - John Jay Homstead – School House			**U.S. State where Samples Collected:** NY		
Number of Samples in Shipment: 1	**Date of Shipment:** 9/28/23		**Purchase Order:**	**Sampled By (Signature):**	
Please Provide results: ☐ Fax ☐ Email ☐ Mail			**Email Results To:** Hazmat.labs@matrixneworld.com		
Standard Turnaround Time: ☒ 2 Weeks			**The following TAT's are subject to lab approval:** ☐ 1 Week ☐ 4 Days ☐ 3 Days ☐ 2 Days ☐ 1 Day		

Failure to complete will hinder processing of samples				Matrix	Preservative	List Test(s) Needed								
Client Sample ID	**Comp**	**Grab**	**Date/Time**	W=Water S=Soil A=Air SL=Sludge O= Other	1=HCL 2=HNO3 3=H2SO4 4=ICE 5=Other	PCB								**Comments**
(1) PCB-HA-SH-05	X		9/28/23	Clarity	None	X								window glazing

Released By (Signature)	Date & Time	Received By	Date & Time
	9/28/23	Shawn Ethlynn DTS	9/28/23 805 9/29/23 9M

Please indicate reporting requirements: ☒ Results Only ☐ Results and QC ☐ Reduced Deliverables ☐ Disk Deliverable ☐ Other _____

Instructions or Comments: Please put samples on ice prior to transporting them to Cinnaminson.

(1)

18.2°C
Rec. in plastic EL

EMSL Analytical, Inc.

200 Route 130 North Cinnaminson, NJ 08077

Tel/Fax: (800) 220-3675 / (856) 786-0262

http://www.EMSL.com / cinnmicrolab@emsl.com

EMSL Order: 372315610
Customer ID: MATX53
Customer PO:
Project ID:

Attention: Matt Sheldon
Matrix New World Engineering
26 Columbia Turnpike
Florham Park, NJ 07932

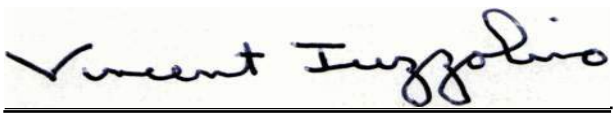
Project: 23-0088

Phone: (732) 670-4492
Fax: (973) 240-1818
Collected Date: 09/28/2023
Received Date: 09/29/2023 09:00 AM
Analyzed Date: 10/06/2023

Test Report:Air-O-Cell(™) Analysis of Fungal Spores & Particulates by Optical Microscopy (Methods MICRO-SOP-201, ASTM D7391)

Lab Sample Number:	372315610-0001			372315610-0003			372315610-0004		
Client Sample ID:	A-01			A-02			A-03		
Volume (L):	75			75			75		
Sample Location:	Brick Cottage 1st Floor Hallway			Exterior Center			Coachman's House Hallway		
Spore Types	**Raw Count**	**Count/m³**	**% of Total**	**Raw Count**	**Count/m³**	**% of Total**	**Raw Count**	**Count/m³**	**% of Total**
Alternaria (Ulocladium)	1	40	0.3	-	-	-	-	-	-
Ascospores	14	610	5	24	1000	5.5	1	40	1.4
Aspergillus/Penicillium	151	6590	53.8	3	100	0.6	16	700	24.9
Basidiospores	77	3400	27.8	374	16300	90.2	42	1800	64.1
Bipolaris++	-	-	-	-	-	-	-	-	-
Chaetomium++	2	90	0.7	-	-	-	-	-	-
Cladosporium	27	1200	9.8	10	440	2.4	2	90	3.2
Curvularia	-	-	-	-	-	-	-	-	-
Epicoccum	2	90	0.7	-	-	-	1	40	1.4
Fusarium++	-	-	-	1	40	0.2	-	-	-
Ganoderma	1	40	0.3	4	200	1.1	-	-	-
Myxomycetes++	-	-	-	-	-	-	3	100	3.6
Pithomyces++	1	40	0.3	-	-	-	-	-	-
Rust	-	-	-	-	-	-	-	-	-
Scopulariopsis/Microascus	3	100	0.8	-	-	-	-	-	-
Stachybotrys/Memnoniella	-	-	-	-	-	-	1	40	1.4
Unidentifiable Spores	-	-	-	-	-	-	-	-	-
Zygomycetes	-	-	-	-	-	-	-	-	-
Pestalotia++	1	40	0.3	-	-	-	-	-	-
Torula++	-	-	-	-	-	-	-	-	-
Total Fungi	**280**	**12240**	**100**	**416**	**18080**	**100**	**66**	**2810**	**100**
Hyphal Fragment	8	300	-	1*	10*	-	1	40	-
Insect Fragment	5	200	-	-	-	-	1	40	-
Pollen	1	40	-	-	-	-	-	-	-
Analyt. Sensitivity 600x	-	44	-	-	44	-	-	44	-
Analyt. Sensitivity 300x	-	13*	-	-	13*	-	-	13*	-
Skin Fragments (1-4)	-	1	-	-	1	-	-	2	-
Fibrous Particulate (1-4)	-	2	-	-	1	-	-	1	-
Background (1-5)	-	4	-	-	1	-	-	3	-

++ Includes other spores with similar morphology; see EMSL's fungal glossary for each specific category.



Vincent Iuzzolino, M.S., Laboratory Manager
or other Approved Signatory

No discernable field blank was submitted with this group of samples.

Skin Fragment and Fibrous Particulate ratings are based on the percent of non-fungal material they represent: 1 (1-25%), 2 (26-50%), 3 (51-75%), or 4 (76-100%). Background ratings are based on the total area covered by non-fungal particles: 1 (1-25%), 2 (26-50%), 3 (51-75%), 4 (76-99%), or 5 (100%; overloaded, prohibiting accurate detection and quantification). High levels of background will obscure spores and other particulates, leading to underestimation. Present = Spores detected on overloaded samples. Results are not blank corrected unless otherwise noted. The detection limit is equal to one fungal spore, structure, pollen, fiber particle or insect fragment. "*" Denotes particles found at 300X. "-" Denotes not detected. Due to method stopping rules, raw counts in excess of 100 are extrapolated based on the percentage analyzed. EMSL maintains liability limited to cost of analysis. Interpretation and use of test results are the responsibility of the client. This report relates only to the samples reported above, and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. The report reflects the samples as received. When the information supplied by the customer can affect the validity of the result, it will be noted on the report.

Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ AIHA LAP, LLC-EMLAP Accredited #100194

Initial report from: 10/06/2023 09:04 AM

For information on the fungi listed in this report, please visit the Resources section at www.emsl.com

EMSL Analytical, Inc.

200 Route 130 North Cinnaminson, NJ 08077
Tel/Fax: (800) 220-3675 / (856) 786-0262
http://www.EMSL.com / cinnmicrolab@emsl.com

EMSL Order: 372315610
Customer ID: MATX53
Customer PO:
Project ID:

Attention: Matt Sheldon
Matrix New World Engineering
26 Columbia Turnpike
Florham Park, NJ 07932

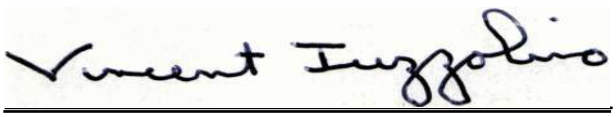
Project: 23-0088

Phone: (732) 670-4492
Fax: (973) 240-1818
Collected Date: 09/28/2023
Received Date: 09/29/2023 09:00 AM
Analyzed Date: 10/06/2023

Test Report:Air-O-Cell(™) Analysis of Fungal Spores & Particulates by Optical Microscopy (Methods MICRO-SOP-201, ASTM D7391)

Lab Sample Number:	372315610-0006			372315610-0008		
Client Sample ID:	A-04			A-05		
Volume (L):	75			75		
Sample Location:	School House Center			Bedford House Great Hall		
Spore Types	**Raw Count**	**Count/m³**	**% of Total**	**Raw Count**	**Count/m³**	**% of Total**
Alternaria (Ulocladium)	-	-	-	-	-	-
Ascospores	3	100	0.9	1	40	0.7
Aspergillus/Penicillium	36	1600	15	84	3700	65.6
Basidiospores	179	7810	73.1	33	1400	24.8
Bipolaris++	-	-	-	-	-	-
Chaetomium++	-	-	-	-	-	-
Cladosporium	8	300	2.8	9	400	7.1
Curvularia	-	-	-	-	-	-
Epicoccum	-	-	-	-	-	-
Fusarium++	-	-	-	-	-	-
Ganoderma	4	200	1.9	-	-	-
Myxomycetes++	15	660	6.2	1	40	0.7
Pithomyces++	1*	10*	0.1	1*	10*	0.2
Rust	-	-	-	1*	10*	0.2
Scopulariopsis/Microascus	-	-	-	-	-	-
Stachybotrys/Memnoniella	-	-	-	-	-	-
Unidentifiable Spores	-	-	-	-	-	-
Zygomycetes	-	-	-	-	-	-
Pestalotia++	-	-	-	-	-	-
Torula++	-	-	-	1	40	0.7
Total Fungi	**246**	**10680**	**100**	**131**	**5640**	**100**
Hyphal Fragment	1	40	-	2	90	-
Insect Fragment	-	-	-	1	40	-
Pollen	2	90	-	-	-	-
Analyt. Sensitivity 600x	-	44	-	-	44	-
Analyt. Sensitivity 300x	-	13*	-	-	13*	-
Skin Fragments (1-4)	-	2	-	-	1	-
Fibrous Particulate (1-4)	-	1	-	-	1	-
Background (1-5)	-	2	-	-	3	-

++ Includes other spores with similar morphology; see EMSL's fungal glossary for each specific category.



Vincent Iuzzolino, M.S., Laboratory Manager
or other Approved Signatory

No discernable field blank was submitted with this group of samples.

Skin Fragment and Fibrous Particulate ratings are based on the percent of non-fungal material they represent: 1 (1-25%), 2 (26-50%), 3 (51-75%), or 4 (76-100%). Background ratings are based on the total area covered by non-fungal particles: 1 (1-25%), 2 (26-50%), 3 (51-75%), 4 (76-99%), or 5 (100%; overloaded, prohibiting accurate detection and quantification). High levels of background will obscure spores and other particulates, leading to underestimation. Present = Spores detected on overloaded samples. Results are not blank corrected unless otherwise noted. The detection limit is equal to one fungal spore, structure, pollen, fiber particle or insect fragment. "*" Denotes particles found at 300X. "-" Denotes not detected. Due to method stopping rules, raw counts in excess of 100 are extrapolated based on the percentage analyzed. EMSL maintains liability limited to cost of analysis. Interpretation and use of test results are the responsibility of the client. This report relates only to the samples reported above, and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. The report reflects the samples as received. When the information supplied by the customer can affect the validity of the result, it will be noted on the report.

Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ AIHA LAP, LLC-EMLAP Accredited #100194

Initial report from: 10/06/2023 09:04 AM

For information on the fungi listed in this report, please visit the Resources section at www.emsl.com

EMSL Analytical, Inc.

200 Route 130 North Cinnaminson, NJ 08077
Tel/Fax: (800) 220-3675 / (856) 786-0262
http://www.EMSL.com / cinnmicrolab@emsl.com

EMSL Order: 372315610
Customer ID: MATX53
Customer PO:
Project ID:

Attention: Matt Sheldon
Matrix New World Engineering
26 Columbia Turnpike
Florham Park, NJ 07932

Phone: (973) 240-1800
Fax: (973) 240-1818
Collected Date: 09/28/2023
Received Date: 09/29/2023
Analyzed Date: 10/06/2023

Project: 23-0088

Test Report: Microscopic Examination of Fungal Spores, Fungal Structures, Hyphae, and Other Particulates from Swab Samples (EMSL Method MICRO-SOP-200)

Lab Sample Number:	372315610-0002	372315610-0005	372315610-0007	372315610-0009	372315610-0010
Client Sample ID:	SWAB-01	SWAB-02	SWAB-03	SWAB-04	SWAB-05
Sample Location:	Brick Cottage 2nd Floor	Coachman's House Kitchen	School House Center	Bedford House Sunroom	Bedford House Room #303
Spore Types	Category	Category	Category	Category	Category
Alternaria (Ulocladium)	-	-	-	-	-
Ascospores	-	-	-	-	-
Aspergillus/Penicillium	-	Medium	-	Low	-
Basidiospores	-	-	-	-	-
Bipolaris++	-	-	-	-	-
Chaetomium++	-	-	-	-	-
Cladosporium	*High*	Medium	*High*	-	-
Curvularia	-	-	-	-	-
Epicoccum	-	-	-	-	-
Fusarium++	-	-	-	-	-
Ganoderma	-	-	-	-	-
Myxomycetes++	-	-	-	-	-
Pithomyces++	-	-	-	-	-
Rust	-	-	-	-	-
Scopulariopsis/Microascus	-	-	-	-	-
Stachybotrys/Memnoniella	-	-	-	-	-
Unidentifiable Spores	-	-	-	-	-
Zygomycetes	-	-	-	-	-
Penicillium/Talaromyces	-	-	-	-	*High*
Hyphal Fragment	-	-	-	-	-
Insect Fragment	-	Rare	-	-	-
Pollen	-	-	-	-	-
Fibrous Particulate	-	Rare	-	Rare	Rare

Category: Count/per area analyzed - Rare: 1 to 10 Low: 11 to 100 Medium: 101 to 1000 High: >1000

- Denotes Not Detected.
++ Includes other spores with similar morphology; see EMSL's fungal glossary for each specific category.
* = Sample contains fruiting structures and/or hyphae associated with the spores.

Vincent Iuzzolino, M.S., Laboratory Director
or other Approved Signatory

No discernable field blank was submitted with this group of samples.

Initial report from: 10/06/2023 09:04 AM

For information on the fungi listed in this report, please visit the Resources section at www.emsl.com

OrderID: 372315610

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LABORATORY • PRODUCTS • TRAINING

Microbiology Chain of Custody

EMSL Order Number (*Lab Use Only*): 372315610

307 West 38th Street
New York, NY 10018
PHONE: (212) 290-0051
FAX: (212) 290-0058

Company : Matrix New World Engineering	**EMSL-Bill to:** ☐ Different ☑ Same If Bill to is Different note instructions in Comments**
Street: 26 Columbia Turnpike	*Third Party Billing requires written authorization from third party*
City: Florham Park **State/Province:** NJ	**Zip/Postal Code:** 07932 **Country:** United States
Report To (Name): Matt Sheldon	**Telephone #:** 973-240-1800
Email Address: Hazmat.Labs@matrixneworld.com	**Fax #:** 973-240-1818 **Purchase Order:**
Project Name/Number: ~~22~~ 23-0088	**Please Provide Results:** ☐ FAX ☑ E-mail ☐ Mail
U.S. State Samples Taken: ~~NJ~~ NY	**Connecticut Samples:** ☐ Commercial ☐ Residential

Turnaround Time (TAT) Options* - Please Check

☐ 3 Hour ☐ 6 Hour ☐ 24 Hour ☐ 48 Hour ☐ 72 Hour ☐ 96 Hour ☒ 1 Week ☐ 2 Week

**Analysis completed in accordance with EMSL's Terms and Conditions located in the Analytical Price Guide. TATs are subject to methodology requirements*

Non Culturable Air Samples (Spore Traps) – Test Codes

- **M001** Air-O-Cell
- **M049** BioSIS
- **M030** Micro 5
- **M173** Allegro M2
- **M003** Burkard
- **M174** MoldSnap
- **M004** Allergenco
- **M043** Cyclex
- **M176** Relle Smart
- **M032** Allergenco-D
- **M002** Cyclex-d
- **M130** Via-Cell
- **M172** Versa Trap

Other Microbiology Test Codes

- **M041** Fungal Direct Examination
- **M005** Viable Fungi ID and Count
- **M006** Viable Fungi ID and Count (Speciation)
- **M007** Culturable Fungi
- **M008** Culturable Fungi (Speciation)
- **M009** Gram Stain Culturable Bacteria
- **M010** Bacterial Count and ID – 3 Most Prominent
- **M011** Bacterial Count and ID – 5 Most Prominent
- **M013** Sewage Contamination in Buildings
- **M014** Endotoxin Analysis
- **M015** Heterotrophic Plate Count
- **M180** Real Time Q-PCR-ERMI 36 Panel
- **M018** Total Coliform (Membrane Filtration)
- **M020** Fecal *Streptococcus* (Membrane Filtration)
- **M210-215** *Legionella* Detection
- **M026** Recreational Water Screen
- **M027** Mycotoxin Analysis
- **M029** *Enterococci*
- **M019** Fecal Coliform
- **M133** MRSA Analysis
- **M028** *Cryptococcus neoformans* Detection
- **M120** *Histoplasma capsulatum* Detection
- **M033-39** Allergen Testing
- **M044** Group Allergen (Cat, Dog, Cockroach, Dustmites)
- **Other** See Analytical Price Guide

RECEIVED EMSL CINNAMINSON, N.J. SEP 28 PM 01

Preservation Method (Water):

Name of Sampler: Nikolas Cook **Signature of Sampler:**

Sample #	Sample Location	Sample Type	Test Code	Volume/Area	Date/Time Collected
Example: A1	Kitchen	Air	M001	75L	1/1/12 4:00 PM
A-01	Brick Cottage 1st Floor Hallway	Air	M001	75L	9/28/23 1035AM
SWAB-01	Brick Cottage 1st Floor	SWAB	M041	—	9/28/23 1050am
A-02	Exterior Center	AIR	M001	75L	9/28/23 1110 AM
A-03	Coachmen's House hallway	AIR	M001	75L	9/28/23 1230pm
SWAB-02	Coachmens House kitchen	SWAB	M041	—	9/28/23 1230pm
A-04	School House Center	AIR	M001	75L	9/28/23 1254pm
SWAB-03	School House Center	SWAB	M041	—	9/28/23 1256pm
A-05	Bedford House Great Hall	AIR	M001	75L	9/28/23 1:25 pm
SWAB-04	Bedford House Sunroom	SWAB	M041	—	9/28/23 1:26pm

Client Sample # (s): A-01 - SWAB-05 **Total # of Samples:** 10

Relinquished (Client): **Date:** 9/28/23 **Time:** 1955

Received (Client): DB **Date:** 9/28/23 **Time:** 805p

Comments:

OrderID: 372315610

EMSL ANALYTICAL, INC.
LABORATORY • PRODUCTS • TRAINING

Microbiology Chain of Custody

EMSL Order Number (*Lab Use Only*):

372315610

307 West 38th Street

New York, NY 10018
PHONE: (212) 290-0051
FAX: (212) 290-0058

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	Sample Location	Sample Type	Test Code	Volume/Area	Date/Time Collected
SWAB-05	Bedford House Room #303	SWAB	M041	–	9/28/23 2:00pm

RECEIVED
EMSL
CINNAMINSON, N.J.
2023 SEP 28 P 8:01

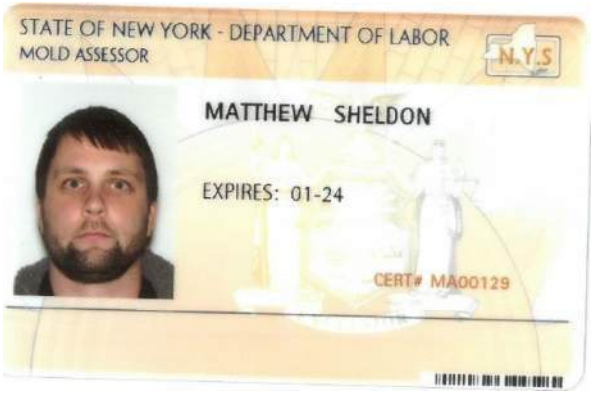
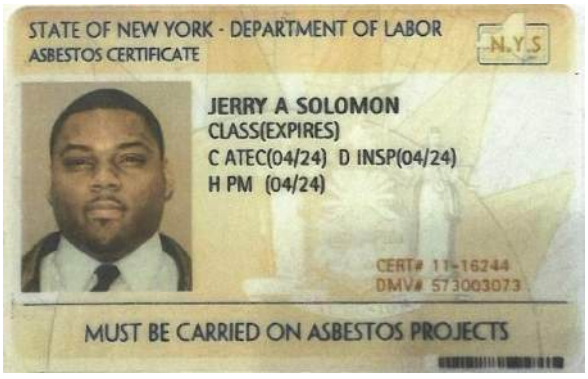
**Comments/Special Instructions:

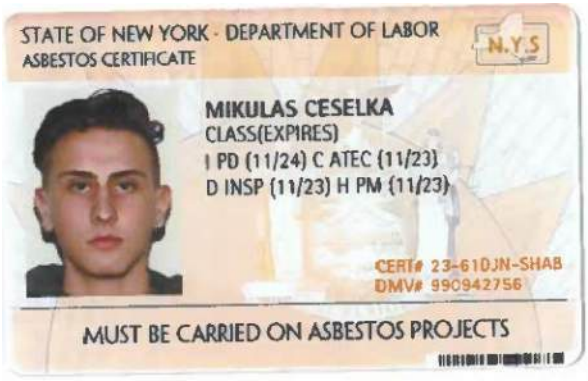
Page 2 of 2 pages

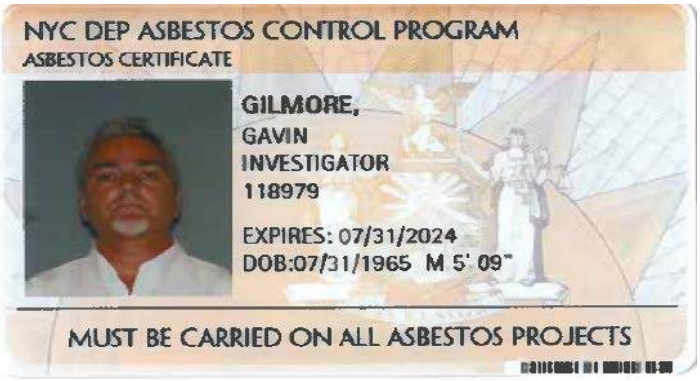
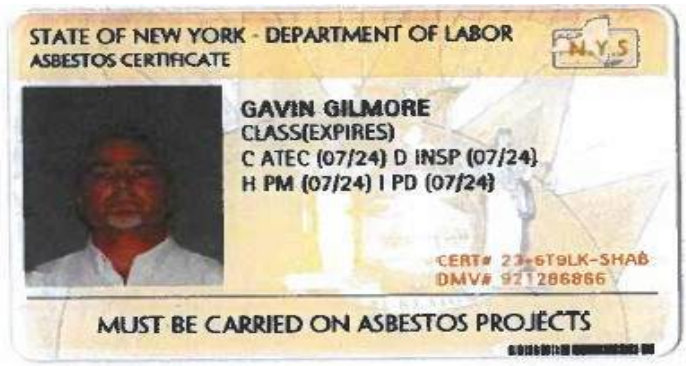
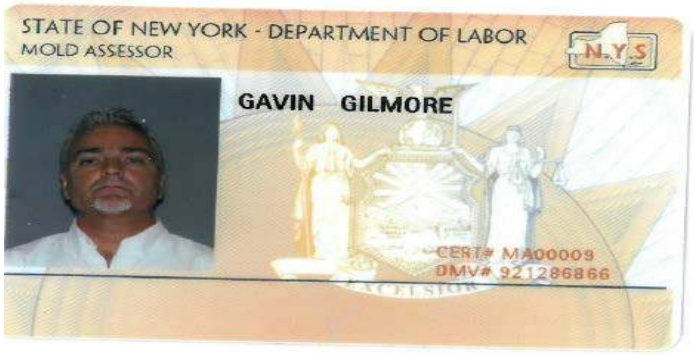
APPENDIX C

MATRIX PERSONNEL CERTIFICATION(S)

	*Tyler MacGillivray* *ACM Investigator #161956* *Exp. 04/2025*
	*Tyler MacGillivray* *ACM Inspector #22-06495* *Exp. 04/2023*
	*Tyler MacGillivray* *Mold Assessor #MA02592* *EXP. 09/2024*

	*Matthew Sheldon* *ACM Investigator #148633* *Exp. 2/18/2024*
	*Matthew Sheldon* *ACM Inspector #1412741* *Exp. 2/2024*
	*Matthew Sheldon* *Mold Assessor #MA00129* *Exp. 1/2024*
	*Jerry Solomon* *ACM Inspector #1116244* *Exp. 4/2024*

	*Mikulas Ceselka* *ACM Investigator #162838* *Exp. 11/12/2023*
	*Mikulas Ceselka* *ACM Inspector #23-61DJN-SHAB* *Exp. 11/2023*
	*Mikulas Ceselka* *Mold Assessor #23-6TI89-SHMO* *Exp. 07/2025*
	*Jason Toth* *ACM Inspector #22-09881* *Exp. 05/2024*

	*Gavin Gilmore* *ACM Investigator #118979* *Exp. 07/31/2024*
	*Gavin Gilmore* *ACM Inspector #23-6T9LK-SHAB* *Exp. 07/2024*
	*Gavin Gilmore* *Mold Assessor #MA00009*

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NEW YORK STATE | Department of Labor

DIVISION OF SAFETY & HEALTH LICENSE AND CERTIFICATE UNIT, STATE OFFICE CAMPUS, BLDG. 12, ALBANY, NY 12226

ASBESTOS HANDLING LICENSE

Matrix New World Engineering, Land Surveying and Landscape Architecture, P.C.
26 Columbia Turnpike, Florham Park, NJ, 07932

License Number: 29689
License Class: RESTRICTED
Date of Issue: 07/25/2023
Expiration Date: 07/31/2024
Duly Authorized Representative: Jayne Warne

This license has been issued in accordance with applicable provisions of Article 30 of the Labor Law of New York State and of the New York State Codes, Rules and Regulations (12 NYCRR Part 56). It is subject to suspension or revocation for a (1) serious violation of state, federal or local laws with regard to the conduct of an asbestos project, or (2) demonstrated lack of responsibility in the conduct of any job involving asbestos or asbestos material.

This license is valid only for the contractor named above and this license or a photocopy must be prominently displayed at the asbestos project worksite. This license verifies that all persons employed by the licensee on an asbestos project in New York State have been issued an Asbestos Certificate, appropriate for the type of work they perform, by the New York State Department of Labor.

Amy Phillips, Director
For the Commissioner of Labor

SH 432 (12/21)

WE ARE YOUR DOL

NEW YORK STATE | Department of Labor

DIVISION OF SAFETY AND HEALTH LICENSE AND CERTIFICATE UNIT, STATE OFFICE CAMPUS, BUILDING 12, ALBANY, NY 12226

MOLD ASSESSMENT CONTRACTOR LICENSE

Matrix New World Engineering, Land Surveying and Landscape Architecture, P.C.
26 Columbia Turnpike
Florham Park, New Jersey 07932

License Number: 23-6LU7Q-SHMO
Date of Issue: 2023-11-14
Expiration Date: 2025-12-31

(This license is valid only for the contractor named above)

For the Commissioner of Labor

Amy Phillips, Director Division of Safety and Health

EXCELSIOR

United States Environmental Protection Agency

This is to certify that

Matrix New World Engineering, Land Surveying
and Landscape Architecture, PC

has fulfilled the requirements of the Toxic Substances Control Act (TSCA) Section 402, and has received certification to conduct lead-based paint activities pursuant to 40 CFR Part 745.226

In the Jurisdiction of:

All EPA Administered Lead-based Paint Activities Program States, Tribes and Territories

This certification is valid from the date of issuance and expires January 25, 2025

LBP-2303-2
Certification #

December 01, 2021
Issued On

Michelle Price, Chief
Lead, Heavy Metals, and Inorganics Branch

APPENDIX D

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER

Expires 12:01 AM April 01, 2024
Issued April 01, 2023
Revised July 25, 2023

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MR. OWEN MCKENNA
EMSL ANALYTICAL INC
200 ROUTE 130 NORTH
CINNAMINSON, NJ 08077

NY Lab Id No: 10872

is hereby APPROVED as an Environmental Laboratory for the category
ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE
All approved subcategories and/or analytes are listed below:

Miscellaneous

Asbestos in Friable Material	Item 198.1 of Manual
	EPA 600/M4/82/020
Asbestos in Non-Friable Material-PLM	Item 198.6 of Manual (NOB by PLM)
Asbestos in Non-Friable Material-TEM	Item 198.4 of Manual
Asbestos-Vermiculite-Containing Mate	Item 198.8 of Manual
Lead in Dust Wipes	EPA 7000B
Lead in Paint	EPA 7000B

Sample Preparation Methods

	EPA 3050B
	EPA 3051A

Serial No.: 67932

AIHA Laboratory Accreditation Programs, LLC

acknowledges that

EMSL Analytical, Inc.

200 Route 130 North Cinnaminson, NJ 08077

Laboratory ID: LAP-100194

along with all premises from which key activities are performed, as listed above, has fulfilled the requirements of the AIHA Laboratory Accreditation Programs (AIHA LAP), LLC accreditation to the ISO/IEC 17025:2017 international standard, General Requirements for the Competence of Testing and Calibration Laboratories in the following:

LABORATORY ACCREDITATION PROGRAMS

☑	**INDUSTRIAL HYGIENE**	Accreditation Expires: January 01, 2025
☑	**ENVIRONMENTAL LEAD**	Accreditation Expires: January 01, 2025
☑	**ENVIRONMENTAL MICROBIOLOGY**	Accreditation Expires: January 01, 2025
☐	**FOOD**	Accreditation Expires:
☐	**UNIQUE SCOPES**	Accreditation Expires:

Specific Field(s) of Testing (FoT)/Method(s) within each Accreditation Program for which the above named laboratory maintains accreditation is outlined on the attached Scope of Accreditation. Continued accreditation is contingent upon successful on-going compliance with ISO/IEC 17025:2017 and AIHA LAP, LLC requirements. This certificate is not valid without the attached Scope of Accreditation. Please review the AIHA LAP, LLC website (www.aihaaccreditedlabs.org) for the most current Scope.

Cheryl O. Morton

Cheryl O Morton
Managing Director, AIHA Laboratory Accreditation Programs, LLC

Revision20: 06/07/2022

Date Issued: 01/01/2023

AIHA Laboratory Accreditation Programs, LLC

SCOPE OF ACCREDITATION

EMSL Analytical, Inc.
200 Route 130 North Cinnaminson, NJ 08077

Laboratory ID: LAP-100194
Issue Date: 01/01/2023

The laboratory is approved for those specific field(s) of testing/methods listed in the table below. Clients are urged to verify the laboratory's current accreditation status for the particular field(s) of testing/Methods, since these can change due to proficiency status, suspension and/or withdrawal of accreditation.

Environmental Microbiology Laboratory Accreditation Program (EMLAP)

Initial Accreditation Date: 09/01/2002

EMLAP Scope Category	Field of Testing (FOT)	Component, parameter or characteristic tested	Method	Method Description *(for internal methods only)*
Bacterial	Air - Culturable	Air	MICRO-SOP-132	Detection and Enumeration of Culturable Bacteria from Environmental Samples
Bacterial	Bulk - Culturable	Bulks (liquid or solid)	MICRO-SOP-132	Detection and Enumeration of Culturable Bacteria from Environmental Samples
Bacterial	Legionella	Water, Swabs, Soil and Air	MICRO-SOP-105	ISO 11731:2017
Bacterial	Legionella	Water, Swabs, Soil and Air	MICRO-SOP-105-3	Recovery of Legionella from the Environment Using the Center for Disease Control and Prevention's Culture Method
Bacterial	Surface - Culturable	Swab or Contact Plate	MICRO-SOP-132	Detection and Enumeration of Culturable Bacteria from Environmental Samples
Fungal	Air - Culturable	Air	MICRO-SOP-202	Detection and Enumeration of Culturable Fungi from Environmental Samples
Fungal	Air - Direct Examination	Spore Trap	MICRO-SOP-201	Identification and Quantification of Airborne Fungal Spores, Hyphal Fragments, Pollen, Insect Fragments, Skin Fragments and Fibrous Particulate by Optical Microscopy of Spore Trap Samples
Fungal	Bulk - Culturable	Bulks (liquid or solid)	MICRO-SOP-202	Detection and Enumeration of

EMLAP Scope Category	Field of Testing (FOT)	Component, parameter or characteristic tested	Method	Method Description *(for internal methods only)*
				Culturable Fungi from Environmental Samples
Fungal	Bulk - Direct Examination	Bulks (liquid or solid)	MICRO-SOP-200	Microscopic Examination of Fungal Spores, Fungal Structures, Hyphae, Pollen, Insect Fragments, and Fibrous Particulate from Surface Samples
Fungal	Surface - Culturable	Swab or Contact Plate	MICRO-SOP-202	Detection and Enumeration of Culturable Fungi from Environmental Samples
Fungal	Surface - Direct Examination	Swab or Tape Lift	MICRO-SOP-200	Microscopic Examination of Fungal Spores, Fungal Structures, Pollen, Insect Fragments and Fibrous Particulate from Surface Samples
Molecular	PCR - Bacteriodes	Water, Swabs, Bulks and Soil	M095	Procedure for Rapid Identification of Total Bacteroides by TaqMan Real-Time PCR
Molecular	PCR - Human Bacteriodes	Water, Swabs, Bulks and Soil	M199	SOP for Rapid Identification of Human Bacteroides by TaqMan Real-Time PCR
Molecular	qPCR - Legionella pneumophila	Water, Swabs, Bulks	PCR-SOP-127	SOP for Identification and Quantification of Legionella Species, Legionella pneumophila and Legionella pneumophila Serogroup 1 by Real-Time Quantitative PCR (qPCR)
Molecular	qPCR - Mold Specific qPCR	Dust, Swab, Bulk, Water and Air	PCR-SOP-202	SOP for Identification and Quantitation of Fungi by Real-Time Mold Specific Quantitative PCR (MSQPCR)

A complete listing of currently accredited EMLAP laboratories is available on the AIHA LAP, LLC website at: *http://www.aihaaccreditedlabs.org*

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER

Expires 12:01 AM April 01, 2024
Issued April 01, 2023
Revised April 14, 2023

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MR. OWEN MCKENNA
EMSL ANALYTICAL INC
200 ROUTE 130 NORTH
CINNAMINSON, NJ 08077

NY Lab Id No: 10872

is hereby APPROVED as an Environmental Laboratory in conformance with the National Environmental Laboratory Accreditation Conference Standards (2016) for the category ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE
All approved analytes are listed below:

Phthalate Esters

Dimethyl phthalate	EPA 8270E
Di-n-butyl phthalate	EPA 8270E
Di-n-octyl phthalate	EPA 8270E

Polychlorinated Biphenyls

Aroclor 1016 (PCB-1016)	EPA 8082A
Aroclor 1221 (PCB-1221)	EPA 8082A
Aroclor 1232 (PCB-1232)	EPA 8082A
Aroclor 1242 (PCB-1242)	EPA 8082A
Aroclor 1248 (PCB-1248)	EPA 8082A
Aroclor 1254 (PCB-1254)	EPA 8082A
Aroclor 1260 (PCB-1260)	EPA 8082A
Aroclor 1262 (PCB-1262)	EPA 8082A
Aroclor 1268 (PCB-1268)	EPA 8082A

Polynuclear Aromatic Hydrocarbons

2-Acetylaminofluorene	EPA 8270E
Acenaphthene	EPA 8270E
Acenaphthylene	EPA 8270E
Anthracene	EPA 8270E
Benzo(a)anthracene	EPA 8270E
Benzo(a)pyrene	EPA 8270E
Benzo(b)fluoranthene	EPA 8270E
Benzo(g,h,i)perylene	EPA 8270E
Benzo(k)fluoranthene	EPA 8270E
Chrysene	EPA 8270E
Dibenzo(a,h)anthracene	EPA 8270E
Fluoranthene	EPA 8270E

Serial No.: 67767

United States Department of Commerce
National Institute of Standards and Technology

Certificate of Accreditation to ISO/IEC 17025:2017

NVLAP LAB CODE: 101048-9

EMSL Analytical, Inc.

Long Island City, NY

is accredited by the National Voluntary Laboratory Accreditation Program for specific services, listed on the Scope of Accreditation, for:

Asbestos Fiber Analysis

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communique dated January 2009).

2023-01-25 through 2023-06-30

Effective Dates

For the National Voluntary Laboratory Accreditation Program

SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

EMSL Analytical, Inc.
10-39 45th Road
Long Island City, NY 11101
Mr. Charles A. Johnson
Phone: 212-290-0051
Email: cajohnson@emsl.com
http://www.emsl.com

ASBESTOS FIBER ANALYSIS — NVLAP LAB CODE 101048-9

Bulk Asbestos Analysis

Code	*Description*
18/A01	EPA -- 40 CFR Appendix E to Subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples
18/A03	EPA 600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials

Airborne Asbestos Analysis

Code	*Description*
18/A02	U.S. EPA's "Interim Transmission Electron Microscopy Analytical Methods-Mandatory and Nonmandatory-and Mandatory Section to Determine Completion of Response Actions" as found in 40 CFR, Part 763, Subpart E, Appendix A.

For the National Voluntary Laboratory Accreditation Program

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER

Expires 12:01 AM April 01, 2024
Issued April 01, 2022
Revised March 30, 2023

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MR. CHARLES JOHNSON
EMSL ANALYTICAL, INC
10-39 45TH ROAD
LONG ISLAND CITY, NY 11101

NY Lab Id No: 11506

is hereby APPROVED as an Environmental Laboratory for the category
ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE
All approved subcategories and/or analytes are listed below:

Miscellaneous

Asbestos in Friable Material	Item 198.1 of Manual
	EPA 600/M4/82/020
Asbestos in Non-Friable Material-PLM	Item 198.6 of Manual (NOB by PLM)
Asbestos in Non-Friable Material-TEM	Item 198.4 of Manual
Asbestos-Vermiculite-Containing Mate	Item 198.8 of Manual

Serial No.: 66413

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